dit_asym_us_avg_mean vs run
χ² / ndf 82.04 / 80
p0 −1999 ± 901.3
pull
Entries 81
Mean −165
Std Dev 195.3
pull1D
Entries 81
Mean 0.01338
Std Dev 1.006

dit_asym_us_avg_rms vs run
χ^2 / ndf 230.4 / 80
p0 799.2 ± 0.6373
840
830
820
810
800
790
780
770

asym_us_avg_correction_mean vs run
χ² / ndf 67.83 / 80
p0 1063 ± 1398
40000
20000
0
−20000
−40000
pull
Entries 81
Mean 719.5
Std Dev 677.8
pull1D
Entries 81
Mean −0.001438
Std Dev 0.9151

asym_us_avg_correction_rms vs run

asym_us_avg_mean vs run
χ^2 / ndf 70.71 / 80
p0 −3099 ± 1636
pull
Entries 81
Mean −27.07
Std Dev 36.42
pull1D
Entries 81
Mean 0.009827
Std Dev 0.9343

asym_us_avg_rms vs run
χ² / ndf 1647 / 80
p0 1450 ± 1.157
1550
1500
1450
1400
1350

dit_asym_us_dd_mean vs run
χ² / ndf 76.23 / 80
p0 986.6 ± 880.1
pull
Entries 81
Mean −191.5
Std Dev 247.9
pull1D
Entries 81
Mean −0.006116
Std Dev 0.9701

dit_asym_us_dd_rms vs run

asym_us_dd_correction_mean vs run
χ² / ndf 76.72 / 80
p0 4085 ± 1854
pull
Entries 81
Mean −72.95
Std Dev 111.8
pull1D
Entries 81
Mean −0.0113
Std Dev 0.9732

asym_us_dd_correction_rms vs run

asym_us_dd_mean vs run
χ² / ndf 80.44 / 80
p0 823.3 ± 1044
pull
Entries 81
Mean 25.18
Std Dev 90.27
pull1D
Entries 81
Mean −0.008589
Std Dev 0.9965

asym_us_dd_rms vs run
χ^2 / ndf 351.5 / 80
p0 925.7 ± 0.7382
970
960
950
940
930
920
910
900
890

dit_asym_usl_mean vs run
χ² / ndf 67.26 / 80
p0 −984 ± 1258
40000
20000
0
−20000
−40000
pull
Entries 81
Mean −201.9
Std Dev 203.8
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.004129
Std Dev 0.9112
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_usl_rms vs run
χ² / ndf 90.41 / 80
p0 1116 ± 0.8898
1150
1140
1130
1120
1110
1100
1090
1080
1070

asym_usl_correction_mean vs run
χ² / ndf 69.48 / 80
p0 1293 ± 1462
40000
20000
0
−20000
−40000
pull
Entries 81
Mean 165.9
Std Dev 37.76
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 81
Mean −0.001326
Std Dev 0.9261
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_usl_correction_rms vs run

asym_usl_mean vs run
χ² / ndf 71.27 / 80
p0 −2284 ± 1916
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean −92.82
Std Dev 49.31
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.004123
Std Dev 0.938
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_usl_rms vs run
χ^2 / ndf 1063 / 80
p0 1699 ± 1.355
1800
1750
1700
1650
1600

dit_asym_usr_mean vs run
χ² / ndf 91.07 / 80
p0 −3009 ± 1261
pull
Entries 81
Mean −155.5
Std Dev 194.9
pull1D
Entries 81
Mean 0.01494
Std Dev 1.06

dit_asym_usr_rms vs run
χ² / ndf 215.4 / 80
p0 1118 ± 0.8917
1160
1150
1140
1130
1120
1110
1100
1090
1080

asym_usr_correction_mean vs run
χ² / ndf 72.66 / 80
p0 831.8 ± 1557
60000
40000
20000
0
−20000
−40000
pull
Entries 81
Mean 1091
Std Dev 1056
2
1
0
−1
−2
pull1D
Entries 81
Mean −0.001487
Std Dev 0.9471
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_usr_correction_rms vs run

asym_usr_mean vs run
χ² / ndf 76.21 / 80
p0 −3903 ± 1965
pull
Entries 81
Mean −12.59
Std Dev 61.14
pull1D
Entries 81
Mean 0.01195
Std Dev 0.9699

asym_usr_rms vs run
χ² / ndf 1215 / 80
p0 1742 ± 1.39
1850
1800
1750
1700
1650

dit_asym_at1_avg_mean vs run
χ² / ndf 87.12 / 80
p0 −1645 ± 2054
pull
Entries 81
Mean −128.4
Std Dev 148.9
pull1D
Entries 81
Mean −0.01364
Std Dev 1.037

dit_asym_at1_avg_rms vs run

asym_at1_avg_correction_mean vs run
χ² / ndf 66.15 / 80
p0 277.2 ± 650.2
pull
Entries 81
Mean 90.51
Std Dev 27.69
pull1D
Entries 81
Mean −0.005377
Std Dev 0.9037

asym_at1_avg_correction_rms vs run
χ² / ndf 3908 / 80
p0 575.9 ± 0.4598
660
640
620
600
580
560
540
520

asym_at1_avg_mean vs run
χ² / ndf 94.02 / 80
p0 −1864 ± 2153
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 81
Mean −132.8
Std Dev 154.8
2
1
0
−1
−2
pull1D
Entries 81
Mean −0.01307
Std Dev 1.077
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_at1_avg_rms vs run
χ² / ndf 193.3 / 80
p0 1909 ± 1.522
1980
1960
1940
1920
1900
1880
1860
1840

dit_asym_at1_dd_mean vs run
χ² / ndf 63.96 / 80
p0 −3099 ± 2052
pull
Entries 81
Mean 1715
Std Dev 1674
pull1D
Entries 81
Mean −0.002674
Std Dev 0.8886

dit_asym_at1_dd_rms vs run
χ² / ndf 65 / 80
p0 1819 ± 1.451
1860
1850
1840
1830
1820
1810
1800
1790
1780

asym_at1_dd_correction_mean vs run
χ² / ndf 93.1 / 80
p0 −141.3 ± 462.5
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 81
Mean 569
Std Dev 544.8
2
1
0
−1
−2
−3
pull1D
Entries 81
Mean −0.002954
Std Dev 1.072
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_at1_dd_correction_rms vs run

asym_at1_dd_mean vs run
×10^3
χ² / ndf 70.23 / 80
p0 −2945 ± 2103
pull
Entries 81
Mean 1762
Std Dev 1720
pull1D
Entries 81
Mean −0.002308
Std Dev 0.9312

asym_at1_dd_rms vs run

dit_asym_at2_avg_mean vs run
×10^3
χ^2 / ndf 80.03 / 80
p0 −3245 ± 2489
pull
Entries 81
Mean −278.3
Std Dev 297.8

pull1D
Entries 81
Mean 0.009558
Std Dev 0.994

dit_asym_at2_avg_rms vs run

asym_at2_avg_correction_mean vs run
×10^3
χ² / ndf 68 / 80
p0 7612 ± 1e+04
pull
Entries 81
Mean 829.4
Std Dev 788.3
pull1D
Entries 81
Mean −0.001288
Std Dev 0.9162

asym_at2_avg_correction_rms vs run

asym_at2_avg_mean vs run
×10^3
χ² / ndf 70.07 / 80
p0 −1.199e+04 ± 1.008e+04
pull
Entries 81
Mean 56.21
Std Dev 62.83

pull1D
Entries 81
Mean 0.008058
Std Dev 0.9301

asym_at2_avg_rms vs run
χ² / ndf 2881 / 80
p0 8932 ± 7.129
10200
10000
9800
9600
9400
9200
9000
8800
8600
8400
8200

dit_asym_at2_dd_mean vs run
×10^3
χ² / ndf 71.83 / 80
p0 −3082 ± 2027
pull
Entries 81
Mean −126.9
Std Dev 194.4

pull1D
Entries 81
Mean −0.009876
Std Dev 0.9416

dit_asym_at2_dd_rms vs run

asym_at2_dd_correction_mean vs run
×10^3
χ² / ndf 72.15 / 80
p0 −6687 ± 4160
pull
Entries 81
Mean −81.39
Std Dev 155.4

pull1D
Entries 81
Mean −0.01108
Std Dev 0.9437

asym_at2_dd_correction_rms vs run

asym_at2_dd_mean vs run
×10^3
χ² / ndf 73.5 / 80
p0 3602 ± 2232
pull
Entries 81
Mean −42.49
Std Dev 124.3

pull1D
Entries 81
Mean 0.01216
Std Dev 0.9525

asym_at2_dd_rms vs run

dit_asym_atl_avg_mean vs run
×10^3
χ^2 / ndf 55.47 / 80
p0 −5373 ± 2134
pull
Entries 81
Mean 241.5
Std Dev 217

pull1D
Entries 81
Mean −0.01087
Std Dev 0.8275

dit_asym_atl_avg_rms vs run

asym_atl_avg_correction_mean vs run
×10^3
χ^2 / ndf 67.64 / 80
p0 4219 ± 5520
pull
Entries 81
Mean 618.1
Std Dev 575.4

pull1D
Entries 81
Mean −0.001574
Std Dev 0.9138

asym_atl_avg_correction_rms vs run
χ^2 / ndf 2609 / 80
p0 4891 ± 3.904
5300
5200
5100
5000
4900
4800
4700
4600
4500

asym_atl_avg_mean vs run
×10^3
χ² / ndf 68.06 / 80
p0 −1.037e+04 ± 5814
pull
Entries 81
Mean −9.516
Std Dev 121.4
pull1D
Entries 81
Mean 0.001926
Std Dev 0.9166

asym_atl_avg_rms vs run
χ^2 / ndf 3888 / 80
p0 5149 ± 4.111
7500
7000
6500
6000
5500
5000

dit_asym_atl_dd_mean vs run
×10^3
χ² / ndf 85.46 / 80
p0 586.2 ± 2083
pull
Entries 81
Mean 69.08
Std Dev 175.6

pull1D
Entries 81
Mean −0.005062
Std Dev 1.027

dit_asym_atl_dd_rms vs run

asym_atl_dd_correction_mean vs run
×10^3
χ² / ndf 67.85 / 80
p0 −4117 ± 4949
pull
Entries 81
Mean 766.8
Std Dev 722.1

pull1D
Entries 81
Mean 0.001132
Std Dev 0.9152

asym_atl_dd_correction_rms vs run
χ² / ndf 2509 / 80
p0 4385 ± 3.499
4800
4700
4600
4500
4400
4300
4200
4100

asym_atl_dd_mean vs run
×10^3
χ² / ndf 70.25 / 80
p0 5522 ± 5282
pull
Entries 81
Mean 114.6
Std Dev 58.01

pull1D
Entries 81
Mean −0.008181
Std Dev 0.9313

asym_atl_dd_rms vs run
χ² / ndf 3906 / 80
p0 4678 ± 3.735
7000
6500
6000
5500
5000
4500

dit_asym_atr_avg_mean vs run
χ² / ndf 93.04 / 80
p0 636.1 ± 2242
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean 177.8
Std Dev 148
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.004994
Std Dev 1.072
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_atr_avg_rms vs run
χ^2 / ndf 873.8 / 80
p0 1987 ± 1.585
2200
2150
2100
2050
2000
1950
1900

asym_atr_avg_correction_mean vs run
×10^3
χ^2 / ndf 68.08 / 80
p0 3686 ± 5120
pull
Entries 81
Mean 668
Std Dev 627.4

pull1D
Entries 81
Mean −0.001662
Std Dev 0.9168

asym_atr_avg_correction_rms vs run
χ² / ndf 2672 / 80
p0 4536 ± 3.62
5000
4900
4800
4700
4600
4500
4400
4300
4200

asym_atr_avg_mean vs run
×10^3
χ² / ndf 83.39 / 80
p0 −3170 ± 5465
pull
Entries 81
Mean 304.5
Std Dev 266.4
pull1D
Entries 81
Mean 0.004623
Std Dev 1.015

asym_atr_avg_rms vs run
χ² / ndf 2137 / 80
p0 4843 ± 3.864
5300
5200
5100
5000
4900
4800
4700
4600
4500

dit_asym_atr_dd_mean vs run
χ² / ndf 69.57 / 80
p0 806.4 ± 2202
pull
Entries 81
Mean −343.1
Std Dev 378.1
pull1D
Entries 81
Mean −0.01479
Std Dev 0.9267

dit_asym_atr_dd_rms vs run
χ2 / ndf 688.1 / 80
p0 1952 ± 1.557
2150
2100
2050
2000
1950
1900

asym_atr_dd_correction_mean vs run
×10^3
χ² / ndf 69.49 / 80
p0 −3200 ± 4517
pull
Entries 81
Mean 1959
Std Dev 1921

pull1D
Entries 81
Mean 0.0006774
Std Dev 0.9262

asym_atr_dd_correction_rms vs run

asym_atr_dd_mean vs run
×10^3
χ² / ndf 63.54 / 80
p0 4286 ± 4918
pull
Entries 81
Mean −86.56
Std Dev 118.8

pull1D
Entries 81
Mean −0.01032
Std Dev 0.8856

asym_atr_dd_rms vs run
χ^2 / ndf 2117 / 80
p0 4358 ± 3.478
4800
4700
4600
4500
4400
4300
4200
4100

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 76.51 / 80
p0 −2534 ± 1642
40000
20000
0
−20000
−40000
pull
Entries 81
Mean 847.3
Std Dev 825
pull1D
Entries 81
Mean −0.001379
Std Dev 0.9719

dit_asym_atl_avg_atr_avg_avg_rms vs run

asym_atl_avg_atr_avg_avg_correction_mean vs run
×10^3
χ^2 / ndf 67.83 / 80
p0 3952 ± 5317
pull
Entries 81
Mean 643.9
Std Dev 602.3

pull1D
Entries 81
Mean −0.001615
Std Dev 0.9151

asym_atl_avg_atr_avg_avg_correction_rms vs run
χ2 / ndf 2641 / 80
p0 4711 ± 3.76
5100
5000
4900
4800
4700
4600
4500
4400
4300

asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 75.06 / 80
p0 −6904 ± 5444
pull
Entries 81
Mean 158.2
Std Dev 101.8

pull1D
Entries 81
Mean 0.004617
Std Dev 0.9626

asym_atl_avg_atr_avg_avg_rms vs run

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 72.93 / 80
p0 −3003 ± 1452
pull
Entries 81
Mean 205.2
Std Dev 180.1
pull1D
Entries 81
Mean −0.01197
Std Dev 0.9488

dit_asym_atl_avg_atr_avg_dd_rms vs run

asym_atl_avg_atr_avg_dd_correction_mean vs run
χ^2 / ndf 74.56 / 80
p0 261.9 ± 272.1
pull
Entries 81
Mean 1938
Std Dev 1931
pull1D
Entries 81
Mean 0.0003124
Std Dev 0.9594

asym_atl_avg_atr_avg_dd_correction_rms vs run
χ² / ndf 2094 / 80
p0 241.1 ± 0.1924
260
250
240
230
220

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 68.27 / 80
p0 −3238 ± 1477
pull
Entries 81
Mean 203.6
Std Dev 178.9
pull1D
Entries 81
Mean −0.01262
Std Dev 0.918

asym_atl_avg_atr_avg_dd_rms vs run

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 87.78 / 80
p0 628.6 ± 1594
pull
Entries 81
Mean −298.1
Std Dev 318.5
pull1D
Entries 81
Mean −0.01101
Std Dev 1.041

dit_asym_atl_dd_atr_dd_avg_rms vs run

asym_atl_dd_atr_dd_avg_correction_mean vs run
×10^3
χ² / ndf 68.19 / 80
p0 −3658 ± 4688
pull
Entries 81
Mean 1211
Std Dev 1171

pull1D
Entries 81
Mean 0.0009077
Std Dev 0.9175

asym_atl_dd_atr_dd_avg_correction_rms vs run
χ² / ndf 2710 / 80
p0 4154 ± 3.315
4600
4500
4400
4300
4200
4100
4000
3900
3800

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 66.01 / 80
p0 5026 ± 4849
150
100
50
0
−50
−100
−150
pull
Entries 81
Mean 9.001
Std Dev 60.96
2
1
0
−1
−2

pull1D
Entries 81
Mean −0.01091
Std Dev 0.9027
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_atl_dd_atr_dd_avg_rms vs run

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 61.91 / 80
p0 136 ± 1439
40000
20000
0
−20000
−40000
pull
Entries 81
Mean −1234
Std Dev 1283
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.003292
Std Dev 0.8742
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_atl_dd_atr_dd_dd_rms vs run

asym_atl_dd_atr_dd_dd_correction_mean vs run
χ² / ndf 87.95 / 80
p0 −395.8 ± 683.2
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean 559.8
Std Dev 538.2
2
1
0
−1
−2
−3
pull1D
Entries 81
Mean −0.002532
Std Dev 1.042
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_atl_dd_atr_dd_dd_correction_rms vs run
χ² / ndf 3062 / 80
p0 605.3 ± 0.4831
680
660
640
620
600
580
560
540

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 75.19 / 80
p0 445.1 ± 1593
pull
Entries 81
Mean −493.1
Std Dev 546.4
pull1D
Entries 81
Mean 0.005999
Std Dev 0.9634

asym_atl_dd_atr_dd_dd_rms vs run

dit_asym_atl1_mean vs run
χ² / ndf 62.25 / 80
p0 −4820 ± 2658
pull
Entries 81
Mean 192.4
Std Dev 130.2
pull1D
Entries 81
Mean −0.01106
Std Dev 0.8766

dit_asym_atl1_rms vs run

asym_atl1_correction_mean vs run
χ² / ndf 75.29 / 80
p0 117.2 ± 697.6
20000
10000
0
−10000
−20000
pull
Entries 81
Mean 283.4
Std Dev 249.3
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 81
Mean −0.005452
Std Dev 0.9641
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_atl1_correction_rms vs run

asym_atl1_mean vs run
χ² / ndf 68.62 / 80
p0 −4890 ± 2744
pull
Entries 81
Mean 164.4
Std Dev 92.49
pull1D
Entries 81
Mean −0.01042
Std Dev 0.9204

asym_atl1_rms vs run

dit_asym_atl2_mean vs run
×10^3
χ² / ndf 75.58 / 80
p0 −5929 ± 3262
pull
Entries 81
Mean 685.9
Std Dev 702
pull1D
Entries 81
Mean −0.001989
Std Dev 0.966

dit_asym_atl2_rms vs run

asym_atl2_correction_mean vs run
×10^3
χ² / ndf 67.7 / 80
p0 8336 ± 1.046e+04
pull
Entries 81
Mean 677.4
Std Dev 633.8

pull1D
Entries 81
Mean −0.001364
Std Dev 0.9142

asym_atl2_correction_rms vs run

asym_atl2_mean vs run
×10^3
χ² / ndf 69.14 / 80
p0 −1.599e+04 ± 1.076e+04
pull
Entries 81
Mean 85.6
Std Dev 87.51

pull1D
Entries 81
Mean 0.005572
Std Dev 0.9239

asym_atl2_rms vs run

dit_asym_atr1_mean vs run
χ^2 / ndf 85.59 / 80
p0 1447 ± 3130
×10^3
100
50
0
−50
−100
pull
Entries 81
Mean −597.2
Std Dev 631.5
3
2
1
0
−1
−2
pull1D
Entries 81
Mean −0.006991
Std Dev 1.028
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_atr1_rms vs run

asym_atr1_correction_mean vs run
χ² / ndf 74.44 / 80
p0 416.4 ± 887.3
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean −236.4
Std Dev 246.9
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 81
Mean −0.002511
Std Dev 0.9586
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_atr1_correction_rms vs run
χ^2 / ndf 3810 / 80
p0 785.8 ± 0.6274
900
850
800
750
700

asym_atr1_mean vs run
×10^3
χ² / ndf 92.49 / 80
p0 1045 ± 3253
150
100
50
0
−50
−100
pull
Entries 81
Mean −591.7
Std Dev 626.8
4
3
2
1
0
−1
−2

pull1D
Entries 81
Mean −0.006457
Std Dev 1.069
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_atr1_rms vs run
χ² / ndf 112.9 / 80
p0 2885 ± 2.3
2980
2960
2940
2920
2900
2880
2860
2840
2820
2800

dit_asym_atr2_mean vs run
×10^3
χ² / ndf 77.33 / 80
p0 −408.8 ± 3150
pull
Entries 81
Mean −152.4
Std Dev 187.7

pull1D
Entries 81
Mean 0.01771
Std Dev 0.9769

dit_asym_atr2_rms vs run

asym_atr2_correction_mean vs run
×10^3
χ^2 / ndf 68.65 / 80
p0 6887 ± 9615
pull
Entries 81
Mean 1007
Std Dev 967.7

pull1D
Entries 81
Mean −0.001208
Std Dev 0.9206

asym_atr2_correction_rms vs run
χ^2 / ndf 2774 / 80
p0 8518 ± 6.799
9400
9200
9000
8800
8600
8400
8200
8000
7800

asym_atr2_mean vs run
χ^2 / ndf 72.59 / 80
p0 −7496 ± 9873
×10^3
pull
Entries 81
Mean 43.41
Std Dev 31.64

pull1D
Entries 81
Mean 0.007922
Std Dev 0.9467

asym_atr2_rms vs run
χ^2 / ndf 2525 / 80
p0 8748 ± 6.982
9600
9400
9200
9000
8800
8600
8400
8200
8000

dit_asym_sam1_mean vs run
χ² / ndf 87.81 / 80
p0 67.07 ± 90.62
pull
Entries 81
Mean −967.2
Std Dev 1016
pull1D
Entries 81
Mean 0.002516
Std Dev 1.041

dit_asym_sam1_rms vs run

asym_sam1_correction_mean vs run
χ² / ndf 86.87 / 80
p0 −862.3 ± 389.5
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean −154
Std Dev 188.5
2
1
0
−1
−2
−3
pull1D
Entries 81
Mean −0.02015
Std Dev 1.035
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam1_correction_rms vs run
χ² / ndf 2985 / 80
p0 345 ± 0.2754
390
380
370
360
350
340
330
320
310

asym_sam1_mean vs run
χ² / ndf 78.22 / 80
p0 917.7 ± 389.4
15000
10000
5000
0
−5000
−10000
pull
Entries 81
Mean −160
Std Dev 196.2
3
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.02241
Std Dev 0.9824
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam1_rms vs run

dit_asym_sam2_mean vs run
χ² / ndf 95.09 / 80
p0 85.99 ± 303.5
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 292.1
Std Dev 179.4
pull1D
Entries 81
Mean −0.00269
Std Dev 1.084

dit_asym_sam2_rms vs run

asym_sam2_correction_mean vs run
χ² / ndf 84.93 / 80
p0 −2448 ± 2069
pull
Entries 81
Mean −242.3
Std Dev 272.2
pull1D
Entries 81
Mean −0.0106
Std Dev 1.024

asym_sam2_correction_rms vs run
χ² / ndf 2949 / 80
p0 1833 ± 1.463
2050
2000
1950
1900
1850
1800
1750
1700
1650

asym_sam2_mean vs run
χ² / ndf 80.02 / 80
p0 2557 ± 2068
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 81
Mean −285.8
Std Dev 318
3
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.009468
Std Dev 0.9939
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam2_rms vs run
χ^2 / ndf 3503 / 80
p0 1832 ± 1.463
2050
2000
1950
1900
1850
1800
1750
1700
1650

dit_asym_sam3_mean vs run
χ² / ndf 77.7 / 80
p0 83 ± 89.87
pull
Entries 81
Mean −336.8
Std Dev 372.9

pull1D
Entries 81
Mean −0.001834
Std Dev 0.9794

dit_asym_sam3_rms vs run

asym_sam3_correction_mean vs run
χ² / ndf 96.35 / 80
p0 506.8 ± 692.3
30000
20000
10000
0
−10000
−20000
pull
Entries 81
Mean 176.2
Std Dev 153.1
3
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.008378
Std Dev 1.091
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam3_correction_rms vs run

asym_sam3_mean vs run
χ² / ndf 96.99 / 80
p0 −449.5 ± 715.7
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean 175.8
Std Dev 156.4
2
1
0
−1
−2
−3
−4
pull1D
Entries 81
Mean −0.006725
Std Dev 1.094
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam3_rms vs run
χ² / ndf 4998 / 80
p0 633.6 ± 0.5061
720
700
680
660
640
620
600
580
560
540

dit_asym_sam4_mean vs run
χ² / ndf 87.53 / 80
p0 217.1 ± 313.5
pull
Entries 81
Mean −788
Std Dev 847.1
pull1D
Entries 81
Mean −0.0009018
Std Dev 1.04

dit_asym_sam4_rms vs run

asym_sam4_correction_mean vs run
χ² / ndf 97.35 / 80
p0 3920 ± 1932
pull
Entries 81
Mean −3.528
Std Dev 49.51
pull1D
Entries 81
Mean 0.01801
Std Dev 1.096

asym_sam4_correction_rms vs run

asym_sam4_mean vs run
χ² / ndf 93.65 / 80
p0 −3761 ± 1919
pull
Entries 81
Mean −16.87
Std Dev 64.52
pull1D
Entries 81
Mean −0.01679
Std Dev 1.075

asym_sam4_rms vs run
χ² / ndf 2379 / 80
p0 1700 ± 1.357
1950
1900
1850
1800
1750
1700
1650
1600
1550

dit_asym_sam5_mean vs run
χ^2 / ndf 97.19 / 80
p0 107.1 ± 193.2
pull
Entries 81
Mean −5.076
Std Dev 116.2
pull1D
Entries 81
Mean 0.00272
Std Dev 1.095

dit_asym_sam5_rms vs run

asym_sam5_correction_mean vs run
χ² / ndf 88.14 / 80
p0 2569 ± 1049
40000
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean −94.07
Std Dev 128.2
3
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.02279
Std Dev 1.043
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam5_correction_rms vs run

asym_sam5_mean vs run
χ² / ndf 77.06 / 80
p0 −2466 ± 1025
pull
Entries 81
Mean −97.47
Std Dev 133
pull1D
Entries 81
Mean −0.02249
Std Dev 0.9751

asym_sam5_rms vs run

dit_asym_sam6_mean vs run
χ² / ndf 103.1 / 80
p0 −28.45 ± 201.2
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 81
Mean 721.5
Std Dev 659.7
2
1
0
−1
−2
−3
pull1D
Entries 81
Mean 0.001884
Std Dev 1.128
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam6_rms vs run

asym_sam6_correction_mean vs run
χ² / ndf 84.31 / 80
p0 1975 ± 1311
40000
20000
0
−20000
−40000
pull
Entries 81
Mean −181.4
Std Dev 212.2
3
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.01383
Std Dev 1.02
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam6_correction_rms vs run

asym_sam6_mean vs run
χ^2 / ndf 77.52 / 80
p0 −2010 ± 1274
pull
Entries 81
Mean −203.9
Std Dev 236.7
pull1D
Entries 81
Mean −0.01367
Std Dev 0.9782

asym_sam6_rms vs run

dit_asym_sam7_mean vs run
χ^2 / ndf 88.15 / 80
p0 43.49 ± 99.09
pull
Entries 81
Mean −253.6
Std Dev 292.4

pull1D
Entries 81
Mean −0.00934
Std Dev 1.043

dit_asym_sam7_rms vs run
χ2 / ndf 1.811e+04 / 80
p0 87.36 ± 0.07007
140
130
120
110
100
90
80

asym_sam7_correction_mean vs run
χ² / ndf 87.95 / 80
p0 −21.08 ± 327.5
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 1030
Std Dev 1002
2
1
0
−1
−2
−3
pull1D
Entries 81
Mean 0.002574
Std Dev 1.042
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam7_correction_rms vs run

asym_sam7_mean vs run
χ² / ndf 84.11 / 80
p0 55.17 ± 324.7
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 414.4
Std Dev 393.1
2
1
0
−1
−2
−3
pull1D
Entries 81
Mean −0.004266
Std Dev 1.019
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam7_rms vs run
χ^2 / ndf 4284 / 80
p0 287.6 ± 0.2296
320
310
300
290
280
270
260
250

dit_asym_sam8_mean vs run
χ^2 / ndf 65.84 / 80
p0 167.2 ± 88.27
pull
Entries 81
Mean 186.6
Std Dev 129

pull1D
Entries 81
Mean 0.01129
Std Dev 0.9015

dit_asym_sam8_rms vs run
χ^2 / ndf 3.482e+04 / 80
p0 77.41 ± 0.06242
150
140
130
120
110
100
90
80
70

asym_sam8_correction_mean vs run
χ² / ndf 77.44 / 80
p0 36.57 ± 303
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 609.1
Std Dev 576.8
3
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.005031
Std Dev 0.9778
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam8_correction_rms vs run

asym_sam8_mean vs run
χ² / ndf 87.08 / 80
p0 138.8 ± 299.1
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 843.8
Std Dev 816.1
2
1
0
−1
−2
−3
pull1D
Entries 81
Mean −0.002964
Std Dev 1.037
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam8_rms vs run

dit_asym_sam_15_avg_mean vs run
χ² / ndf 86.74 / 80
p0 85.72 ± 76.1
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 81
Mean −263.5
Std Dev 294.5
2
1
0
−1
−2

pull1D
Entries 81
Mean 0.005575
Std Dev 1.035
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam_15_avg_rms vs run

asym_sam_15_avg_correction_mean vs run
χ^2 / ndf 86.51 / 80
p0 861.2 ± 354.3
10000
5000
0
−5000
−10000
pull
Entries 81
Mean −71.39
Std Dev 105.4
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.02163
Std Dev 1.033
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_15_avg_correction_rms vs run

asym_sam_15_avg_mean vs run
χ² / ndf 76.87 / 80
p0 −782.3 ± 345.9
10000
5000
0
−5000
−10000
pull
Entries 81
Mean −67.01
Std Dev 101.8
2
1
0
−1
−2
pull1D
Entries 81
Mean −0.01966
Std Dev 0.9739
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_15_avg_rms vs run

dit_asym_sam_26_avg_mean vs run
χ^2 / ndf 85.04 / 80
p0 32.63 ± 107.6
pull
Entries 81
Mean −4.051
Std Dev 118.1
pull1D
Entries 81
Mean −0.004251
Std Dev 1.025

dit_asym_sam_26_avg_rms vs run

asym_sam_26_avg_correction_mean vs run
χ² / ndf 87 / 80
p0 −242.3 ± 405.5
pull
Entries 81
Mean −653.3
Std Dev 681.8
pull1D
Entries 81
Mean −0.003941
Std Dev 1.036

asym_sam_26_avg_correction_rms vs run

asym_sam_26_avg_mean vs run
χ² / ndf 84.32 / 80
p0 278.6 ± 424
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean −1341
Std Dev 1372
2
1
0
−1
−2
−3
pull1D
Entries 81
Mean 0.001804
Std Dev 1.02
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_26_avg_rms vs run

dit_asym_sam_37_avg_mean vs run
χ² / ndf 88.5 / 80
p0 69.25 ± 79.69
pull
Entries 81
Mean −141.7
Std Dev 179.9
pull1D
Entries 81
Mean −0.01098
Std Dev 1.045

dit_asym_sam_37_avg_rms vs run

asym_sam_37_avg_correction_mean vs run
χ² / ndf 93.99 / 80
p0 242.2 ± 499
pull
Entries 81
Mean 286.6
Std Dev 261.2
pull1D
Entries 81
Mean 0.006604
Std Dev 1.077

asym_sam_37_avg_correction_rms vs run
χ^2 / ndf 3037 / 80
p0 442.1 ± 0.3529
500
480
460
440
420
400

asym_sam_37_avg_mean vs run
χ² / ndf 93.53 / 80
p0 −192.8 ± 510.3
pull
Entries 81
Mean 217.8
Std Dev 197.4
pull1D
Entries 81
Mean −0.006492
Std Dev 1.075

asym_sam_37_avg_rms vs run
χ^2 / ndf 4905 / 80
p0 451.8 ± 0.3608
520
500
480
460
440
420
400

dit_asym_sam_48_avg_mean vs run
χ² / ndf 83.57 / 80
p0 195.9 ± 182.5
pull
Entries 81
Mean 940.4
Std Dev 881.6
pull1D
Entries 81
Mean 0.001144
Std Dev 1.016

dit_asym_sam_48_avg_rms vs run

asym_sam_48_avg_correction_mean vs run
χ² / ndf 95.14 / 80
p0 1984 ± 1075
pull
Entries 81
Mean 20.66
Std Dev 36.13
pull1D
Entries 81
Mean 0.01662
Std Dev 1.084

asym_sam_48_avg_correction_rms vs run
χ² / ndf 1868 / 80
p0 952.7 ± 0.7601
1060
1040
1020
1000
980
960
940
920
900
880
860

asym_sam_48_avg_mean vs run
χ² / ndf 93.9 / 80
p0 −1815 ± 1067
pull
Entries 81
Mean 4.395
Std Dev 52.22
pull1D
Entries 81
Mean −0.01541
Std Dev 1.077

asym_sam_48_avg_rms vs run

dit_asym_sam_15_dd_mean vs run
χ² / ndf 98.11 / 80
p0 −17.33 ± 130.2
pull
Entries 81
Mean 369.4
Std Dev 299.5
pull1D
Entries 81
Mean −0.002481
Std Dev 1.101

dit_asym_sam_15_dd_rms vs run

asym_sam_15_dd_correction_mean vs run
χ² / ndf 88.36 / 80
p0 −1711 ± 707.8
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean −106.4
Std Dev 140.6
2
1
0
−1
−2
−3
pull1D
Entries 81
Mean −0.02276
Std Dev 1.044
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_15_dd_correction_rms vs run
χ² / ndf 4290 / 80
p0 626.8 ± 0.5005
700
680
660
640
620
600
580
560

asym_sam_15_dd_mean vs run
χ² / ndf 77.28 / 80
p0 1686 ± 693.6
30000
20000
10000
0
−10000
−20000
pull
Entries 81
Mean −111.7
Std Dev 147.4
3
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.02328
Std Dev 0.9765
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_15_dd_rms vs run

dit_asym_sam_26_dd_mean vs run
χ² / ndf 100.2 / 80
p0 63.94 ± 233.5
pull
Entries 81
Mean 265.8
Std Dev 180.9
pull1D
Entries 81
Mean −0.004295
Std Dev 1.112

dit_asym_sam_26_dd_rms vs run

asym_sam_26_dd_correction_mean vs run
χ² / ndf 84.64 / 80
p0 −2210 ± 1684
pull
Entries 81
Mean −213.5
Std Dev 243.7
pull1D
Entries 81
Mean −0.01195
Std Dev 1.022

asym_sam_26_dd_correction_rms vs run

asym_sam_26_dd_mean vs run
χ² / ndf 79.01 / 80
p0 2282 ± 1665
pull
Entries 81
Mean −245.7
Std Dev 278.1
pull1D
Entries 81
Mean 0.01118
Std Dev 0.9876

asym_sam_26_dd_rms vs run
χ² / ndf 2956 / 80
p0 1475 ± 1.177
1650
1600
1550
1500
1450
1400
1350

dit_asym_sam_37_dd_mean vs run
χ² / ndf 71.1 / 80
p0 13.81 ± 51.02
pull
Entries 81
Mean −108.9
Std Dev 148.1
pull1D
Entries 81
Mean 0.01444
Std Dev 0.9368

dit_asym_sam_37_dd_rms vs run

asym_sam_37_dd_correction_mean vs run
χ² / ndf 99.73 / 80
p0 265.3 ± 210.5
pull
Entries 81
Mean 30.95
Std Dev 40.12
pull1D
Entries 81
Mean 0.01208
Std Dev 1.11

asym_sam_37_dd_correction_rms vs run

asym_sam_37_dd_mean vs run
χ² / ndf 101.7 / 80
p0 −258.7 ± 220.2
pull
Entries 81
Mean 85.63
Std Dev 72.09
pull1D
Entries 81
Mean −0.006543
Std Dev 1.12

asym_sam_37_dd_rms vs run

dit_asym_sam_48_dd_mean vs run
χ² / ndf 89.63 / 80
p0 15.62 ± 139.7
pull
Entries 81
Mean −220
Std Dev 282.5
pull1D
Entries 81
Mean −0.001353
Std Dev 1.052

dit_asym_sam_48_dd_rms vs run

asym_sam_48_dd_correction_mean vs run
χ^2 / ndf 99.5 / 80
p0 1935 ± 869.5
30000
20000
10000
0
−10000
−20000
pull
Entries 81
Mean −28.81
Std Dev 69.99
3
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.01949
Std Dev 1.108
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_48_dd_correction_rms vs run

asym_sam_48_dd_mean vs run
χ² / ndf 92.86 / 80
p0 −1944 ± 863.8
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 81
Mean −38.58
Std Dev 80.94
2
1
0
−1
−2
−3
pull1D
Entries 81
Mean −0.01833
Std Dev 1.071
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_48_dd_rms vs run

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 102.3 / 80
p0 −3.94 ± 65.43
2000
1000
0
−1000
−2000
pull
Entries 81
Mean −278.9
Std Dev 332
3
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.005111
Std Dev 1.124
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam_13_57_dd_rms vs run

asym_sam_13_57_dd_correction_mean vs run
χ² / ndf 93.92 / 80
p0 −742.1 ± 356
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean −138.4
Std Dev 171.3
2
1
0
−1
−2
−3
pull1D
Entries 81
Mean −0.0199
Std Dev 1.077
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_13_57_dd_correction_rms vs run
χ^2 / ndf 2601 / 80
p0 315.4 ± 0.2517
350
340
330
320
310
300
290

asym_sam_13_57_dd_mean vs run
χ² / ndf 76.91 / 80
p0 725 ± 341.2
15000
10000
5000
0
−5000
−10000
pull
Entries 81
Mean −148.5
Std Dev 183.7
3
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.01995
Std Dev 0.9742
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_13_57_dd_rms vs run

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 94.54 / 80
p0 18.39 ± 46.27
1500
1000
500
0
−500
−1000
−1500
pull
Entries 81
Mean −1077
Std Dev 1112
3
2
1
0
−1
−2
−3
pull1D
Entries 81
Mean 0.002958
Std Dev 1.08
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam_15_37_dd_rms vs run

asym_sam_15_37_dd_correction_mean vs run
χ2 / ndf 79.62 / 80
p0 288.1 ± 276.7
10000
5000
0
−5000
−10000
pull
Entries 81
Mean −338.8
Std Dev 368.6
3
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.007014
Std Dev 0.9914
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_15_37_dd_correction_rms vs run

asym_sam_15_37_dd_mean vs run
χ² / ndf 80.86 / 80
p0 −292 ± 281.7
10000
5000
0
−5000
−10000
pull
Entries 81
Mean −322.5
Std Dev 350.3
2
1
0
−1
−2
−3
pull1D
Entries 81
Mean −0.006465
Std Dev 0.9991
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_15_37_dd_rms vs run

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 88.74 / 80
p0 34.92 ± 85.62
pull
Entries 81
Mean 388.6
Std Dev 304.6
pull1D
Entries 81
Mean −0.003212
Std Dev 1.047

dit_asym_sam_24_68_dd_rms vs run

asym_sam_24_68_dd_correction_mean vs run
χ² / ndf 91.17 / 80
p0 −169 ± 920.8
pull
Entries 81
Mean −7598
Std Dev 7625
pull1D
Entries 81
Mean −0.0002767
Std Dev 1.061

asym_sam_24_68_dd_correction_rms vs run
χ² / ndf 3161 / 80
p0 815.7 ± 0.6511
920
900
880
860
840
820
800
780
760
740
720

asym_sam_24_68_dd_mean vs run
χ² / ndf 89.64 / 80
p0 211 ± 922.9
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 81
Mean 4219
Std Dev 4189
2
1
0
−1
−2
−3
pull1D
Entries 81
Mean −0.0005234
Std Dev 1.052
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_24_68_dd_rms vs run

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 85.7 / 80
p0 −83.1 ± 96.52
pull
Entries 81
Mean 441.6
Std Dev 359.9
pull1D
Entries 81
Mean −0.002269
Std Dev 1.029

dit_asym_sam_26_48_dd_rms vs run

asym_sam_26_48_dd_correction_mean vs run
χ^2 / ndf 90.78 / 80
p0 −1115 ± 484.4
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean −35.59
Std Dev 72.56
2
1
0
−1
−2
pull1D
Entries 81
Mean −0.02015
Std Dev 1.058
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_26_48_dd_correction_rms vs run

asym_sam_26_48_dd_mean vs run
χ² / ndf 85.29 / 80
p0 1045 ± 472.5
15000
10000
5000
0
−5000
−10000
pull
Entries 81
Mean −54.48
Std Dev 96.28
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.01881
Std Dev 1.026
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_26_48_dd_rms vs run

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 83.86 / 80
p0 139.4 ± 125.3
pull
Entries 81
Mean 116.5
Std Dev 81.41
pull1D
Entries 81
Mean 0.002997
Std Dev 1.017

dit_asym_sam_1548_avg_rms vs run

asym_sam_1548_avg_correction_mean vs run
χ² / ndf 93.58 / 80
p0 1429 ± 679.6
20000
10000
0
−10000
−20000
pull
Entries 81
Mean −8.3
Std Dev 51.03
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.01832
Std Dev 1.075
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_1548_avg_correction_rms vs run
χ² / ndf 2086 / 80
p0 602.2 ± 0.4805
680
660
640
620
600
580
560
540

asym_sam_1548_avg_mean vs run
χ² / ndf 90.18 / 80
p0 −1304 ± 670.6
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean −17.56
Std Dev 63.56
2
1
0
−1
−2
−3
pull1D
Entries 81
Mean −0.01702
Std Dev 1.055
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_1548_avg_rms vs run

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 84.05 / 80
p0 131.5 ± 118.9
pull
Entries 81
Mean −684
Std Dev 733.8
pull1D
Entries 81
Mean −0.001978
Std Dev 1.019

dit_asym_sam_3748_avg_rms vs run

asym_sam_3748_avg_correction_mean vs run
χ² / ndf 96.32 / 80
p0 1111 ± 751
pull
Entries 81
Mean 62.41
Std Dev 49.14
pull1D
Entries 81
Mean 0.01427
Std Dev 1.09

asym_sam_3748_avg_correction_rms vs run

asym_sam_3748_avg_mean vs run
χ^2 / ndf 96.22 / 80
p0 −1005 ± 753.3
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean 40.58
Std Dev 49.55
2
1
0
−1
−2
−3
pull1D
Entries 81
Mean −0.01303
Std Dev 1.09
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_3748_avg_rms vs run
χ² / ndf 3247 / 80
p0 667.3 ± 0.5326
760
740
720
700
680
660
640
620
600

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 80.88 / 80
p0 60.96 ± 65.89
pull
Entries 81
Mean 492.3
Std Dev 430
pull1D
Entries 81
Mean −0.001934
Std Dev 0.9993

dit_asym_sam_1526_avg_rms vs run

asym_sam_1526_avg_correction_mean vs run
χ² / ndf 96.51 / 80
p0 305.6 ± 229.8
pull
Entries 81
Mean 85.64
Std Dev 67.36
pull1D
Entries 81
Mean 0.01382
Std Dev 1.091

asym_sam_1526_avg_correction_rms vs run

asym_sam_1526_avg_mean vs run
χ² / ndf 93.68 / 80
p0 −254.8 ± 239
pull
Entries 81
Mean 100.1
Std Dev 75.06
pull1D
Entries 81
Mean −0.01175
Std Dev 1.075

asym_sam_1526_avg_rms vs run

dit_asym_sam_3726_avg_mean vs run
χ^2 / ndf 89.04 / 80
p0 51.99 ± 85.85
pull
Entries 81
Mean −82.84
Std Dev 98.26
pull1D
Entries 81
Mean −0.008587
Std Dev 1.048

dit_asym_sam_3726_avg_rms vs run

asym_sam_3726_avg_correction_mean vs run
χ² / ndf 90.92 / 80
p0 −2.844 ± 439.9
pull
Entries 81
Mean 1035
Std Dev 1008
pull1D
Entries 81
Mean 0.002198
Std Dev 1.059

asym_sam_3726_avg_correction_rms vs run
χ^2 / ndf 3038 / 80
p0 389.7 ± 0.311
440
420
400
380
360
340

asym_sam_3726_avg_mean vs run
χ² / ndf 89.55 / 80
p0 44.82 ± 455
pull
Entries 81
Mean 647.3
Std Dev 620.5
pull1D
Entries 81
Mean −0.00297
Std Dev 1.051

asym_sam_3726_avg_rms vs run

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 84.08 / 80
p0 −57.62 ± 62.31
pull
Entries 81
Mean −675.5
Std Dev 722.4
pull1D
Entries 81
Mean 0.003568
Std Dev 1.019

dit_asym_sam_15_48_dd_rms vs run

asym_sam_15_48_dd_correction_mean vs run
χ² / ndf 95.7 / 80
p0 −553.2 ± 422.8
pull
Entries 81
Mean 86.36
Std Dev 67.74
pull1D
Entries 81
Mean −0.01292
Std Dev 1.087

asym_sam_15_48_dd_correction_rms vs run
χ^2 / ndf 2326 / 80
p0 374.7 ± 0.299
420
410
400
390
380
370
360
350
340

asym_sam_15_48_dd_mean vs run
χ² / ndf 97.08 / 80
p0 509.4 ± 423.7
pull
Entries 81
Mean 54.23
Std Dev 57.59
pull1D
Entries 81
Mean 0.01195
Std Dev 1.095

asym_sam_15_48_dd_rms vs run

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 86.06 / 80
p0 −69.52 ± 75.25
pull
Entries 81
Mean 88.34
Std Dev 129.7
pull1D
Entries 81
Mean −0.002457
Std Dev 1.031

dit_asym_sam_37_48_dd_rms vs run

asym_sam_37_48_dd_correction_mean vs run
χ² / ndf 89.79 / 80
p0 −866.1 ± 371.1
pull
Entries 81
Mean −37.8
Std Dev 74.48
pull1D
Entries 81
Mean −0.02023
Std Dev 1.053

asym_sam_37_48_dd_correction_rms vs run
χ² / ndf 3574 / 80
p0 328.7 ± 0.2624
380
370
360
350
340
330
320
310
300
290

asym_sam_37_48_dd_mean vs run
χ^2 / ndf 83.49 / 80
p0 804.3 ± 362.7
10000
5000
0
−5000
−10000
pull
Entries 81
Mean −46.29
Std Dev 86.43
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.01909
Std Dev 1.015
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_37_48_dd_rms vs run

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 89.47 / 80
p0 30.68 ± 65.52
pull
Entries 81
Mean −274.6
Std Dev 281.3
pull1D
Entries 81
Mean 0.003576
Std Dev 1.051

dit_asym_sam_15_26_dd_rms vs run

asym_sam_15_26_dd_correction_mean vs run
χ² / ndf 82.54 / 80
p0 536.5 ± 303.4
pull
Entries 81
Mean −139.3
Std Dev 169.9
pull1D
Entries 81
Mean 0.01782
Std Dev 1.009

asym_sam_15_26_dd_correction_rms vs run
χ^2 / ndf 5264 / 80
p0 268.6 ± 0.2146
310
300
290
280
270
260
250
240

asym_sam_15_26_dd_mean vs run
χ² / ndf 74.91 / 80
p0 −520.4 ± 304.5
pull
Entries 81
Mean −169.6
Std Dev 202.3
pull1D
Entries 81
Mean −0.01414
Std Dev 0.9616

asym_sam_15_26_dd_rms vs run

dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 75.26 / 80
p0 10.07 ± 39.86
pull
Entries 81
Mean 434.8
Std Dev 373.4
pull1D
Entries 81
Mean 0.005164
Std Dev 0.9639

dit_asym_sam_37_26_dd_rms vs run

asym_sam_37_26_dd_correction_mean vs run
χ² / ndf 93.88 / 80
p0 249 ± 115.2
pull
Entries 81
Mean −29.17
Std Dev 67.23

pull1D
Entries 81
Mean 0.01944
Std Dev 1.076

asym_sam_37_26_dd_correction_rms vs run

asym_sam_37_26_dd_mean vs run
χ^2 / ndf 89.56 / 80
p0 −240.3 ± 114.6
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 81
Mean −82.61
Std Dev 128.4
2
1
0
−1
−2
pull1D
Entries 81
Mean −0.01711
Std Dev 1.051
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_37_26_dd_rms vs run

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 81.64 / 80
p0 74.08 ± 62.59
2000
1000
0
−1000
−2000
pull
Entries 81
Mean −329.2
Std Dev 400.8
2
1
0
−1
−2
pull1D
Entries 81
Mean −0.0006677
Std Dev 1.004
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

dit_asym_sam_1357_avg_rms vs run

asym_sam_1357_avg_correction_mean vs run
χ² / ndf 101.3 / 80
p0 572.1 ± 340.2
15000
10000
5000
0
−5000
−10000
pull
Entries 81
Mean 23.41
Std Dev 33.35
3
2
1
0
−1
−2
pull1D
Entries 81
Mean 0.01683
Std Dev 1.118
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_1357_avg_correction_rms vs run

asym_sam_1357_avg_mean vs run
χ² / ndf 94.71 / 80
p0 −494.9 ± 333.7
10000
5000
0
−5000
−10000
−15000
pull
Entries 81
Mean 26.36
Std Dev 43.92
2
1
0
−1
−2
−3
pull1D
Entries 81
Mean −0.01422
Std Dev 1.081
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_1357_avg_rms vs run

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 83.81 / 80
p0 115 ± 114.6
pull
Entries 81
Mean −606.3
Std Dev 646.2
pull1D
Entries 81
Mean −0.001271
Std Dev 1.017

dit_asym_sam_2468_avg_rms vs run

asym_sam_2468_avg_correction_mean vs run
χ^2 / ndf 96.06 / 80
p0 858.9 ± 651.4
30000
20000
10000
0
−10000
−20000
pull
Entries 81
Mean 86.08
Std Dev 67.61
pull1D
Entries 81
Mean 0.01325
Std Dev 1.089

asym_sam_2468_avg_correction_rms vs run
χ² / ndf 2277 / 80
p0 577.2 ± 0.4606
640
620
600
580
560
540
520

asym_sam_2468_avg_mean vs run
χ² / ndf 96 / 80
p0 −764.3 ± 659.5
20000
10000
0
−10000
−20000
−30000
pull
Entries 81
Mean 70.51
Std Dev 60.49
2
1
0
−1
−2
−3
pull1D
Entries 81
Mean −0.01193
Std Dev 1.089
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

asym_sam_2468_avg_rms vs run

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 80.08 / 80
p0 −18.94 ± 32.03
pull
Entries 81
Mean 2864
Std Dev 2831

pull1D
Entries 81
Mean −0.0004528
Std Dev 0.9943

dit_asym_sam_1357_2468_dd_rms vs run

asym_sam_1357_2468_dd_correction_mean vs run
χ² / ndf 92.42 / 80
p0 −144.4 ± 167.4
pull
Entries 81
Mean 218
Std Dev 193.7
pull1D
Entries 81
Mean −0.00835
Std Dev 1.068

asym_sam_1357_2468_dd_correction_rms vs run
χ^2 / ndf 2502 / 80
p0 148.3 ± 0.1184
165
160
155
150
145
140
135

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 95.7 / 80
p0 134.8 ± 169.2
pull
Entries 81
Mean 139
Std Dev 118.5
pull1D
Entries 81
Mean 0.009157
Std Dev 1.087

asym_sam_1357_2468_dd_rms vs run

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 83.68 / 80
p0 95.3 ± 86.63
pull
Entries 81
Mean −380.2
Std Dev 424.9

pull1D
Entries 81
Mean −0.001474
Std Dev 1.016

dit_asym_sam_12345678_avg_rms vs run

asym_sam_12345678_avg_correction_mean vs run
χ² / ndf 97.71 / 80
p0 715 ± 491.9
pull
Entries 81
Mean 60.91
Std Dev 47.27
pull1D
Entries 81
Mean 0.01465
Std Dev 1.098

asym_sam_12345678_avg_correction_rms vs run
χ^2 / ndf 2104 / 80
p0 435.9 ± 0.3479
480
470
460
450
440
430
420
410
400

asym_sam_12345678_avg_mean vs run
χ² / ndf 95.74 / 80
p0 −629.5 ± 494.5
pull
Entries 81
Mean 53.85
Std Dev 50.46
pull1D
Entries 81
Mean −0.01277
Std Dev 1.087

asym_sam_12345678_avg_rms vs run
χ^2 / ndf 3447 / 80
p0 438 ± 0.3497
500
480
460
440
420
400

dit_usl_4aX_slope vs run
χ^2 / ndf 1.208e−24 / 80
p0 −218.8 ± 0.3103
−216
−217
−218
−219
−220
−221
−222
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^−12
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12

pull1D
Entries 81
Mean −1.221e−13
Std Dev 5.868e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_4eX_slope vs run
χ^2 / ndf 8.231e−25 / 80
p0 179.1 ± 0.3133
182
181
180
179
178
177
176
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^-12
0
−0.02
−0.04
−0.06
−0.08
−0.1

pull1D
Entries 81
Mean −1.008e−13
Std Dev 7.481e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usl_11X12X_slope vs run

dit_usl_4aY_slope vs run
χ^2 / ndf 3.619e−27 / 80
p0 1.78 ± 0.03691
pull
Entries 81
Mean 40.5
Std Dev 23.38

pull1D
Entries 81
Mean −6.685e−15
Std Dev2.483e−22

dit_usl_4eY_slope vs run
χ^2 / ndf 3.165e−25 / 80
p0 16.79 ± 0.0442
17.2
17.1
17
16.9
16.8
16.7
16.6
16.5
16.4
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^−15
0
−10
−20
−30
−40
−50
−60

pull1D
Entries 81
Mean −6.251e−14
Std Dev3.281e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_4aX_slope vs run

dit_usr_4eX_slope vs run
χ^2 / ndf 1.278e−24 / 80
p0 385.9 ± 0.5029
390
388
386
384
382
pull
Entries 81
Mean 40.5
Std Dev 23.38
$\times 10^{-12}$
0.12
0.1
0.08
0.06
0.04
0.02
0

pull1D
Entries 81
Mean 1.256e−13
Std Dev 6.985e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_11X12X_slope vs run

dit_usr_4aY_slope vs run
χ^2 / ndf 1.272e−26 / 80
p0 2.902 ± 0.0315
3.2
3.1
3
2.9
2.8
2.7
2.6
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^−15
0
−2
−4
−6
−8
−10
−12

pull1D
Entries 81
Mean −1.253e−14
Std Dev 6.527e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_usr_4eY_slope vs run
χ^2 / ndf 1.72e−25 / 80
p0 9.703 ± 0.04283
pull
Entries 81
Mean 40.5
Std Dev 23.38

pull1D
Entries 81
Mean 4.608e−14
Std Dev 1.986e−21

dit_atl1_4aX_slope vs run
χ^2 / ndf 1.015e−25 / 80
p0 −85.79 ± 0.8473
pull
Entries 81
Mean 40.5
Std Dev 23.38

pull1D
Entries 81
Mean −3.541e−14
Std Dev 1.746e−21

dit_atl1_4eX_slope vs run
χ^2 / ndf 1.719e−26 / 80
p0 130.2 ± 0.8671
pull
Entries 81
Mean 40.5
Std Dev 23.38

pull1D
Entries 81
Mean 1.457e−14
Std Dev 4.735e−22

dit_atl1_11X12X_slope vs run

dit_atl1_4aY_slope vs run
χ^2 / ndf 7.356e−25 / 80
p0 12.94 ± 0.03935
13.3
13.2
13.1
13
12.9
12.8
12.7
12.6
pull
Entries 81
Mean 40.5
Std Dev 23.38
$\times 10^{-12}$
0
−0.02
−0.04
−0.06
−0.08
−0.1

pull1D
Entries 81
Mean −9.53e−14
Std Dev 4.939e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl1_4eY_slope vs run
χ^2 / ndf 7.252e−25 / 80
p0 −21.86 ± 0.05841
−21.4
−21.6
−21.8
−22
−22.2
−22.4
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^−15
0
−20
−40
−60
−80

pull1D
Entries 81
Mean −9.462e−14
Std Dev4.482e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_4aX_slope vs run
χ^2 / ndf 8.323e−24 / 80
p0 −1932 ± 1.497
−1920
−1925
−1930
−1935
−1940
−1945
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^−12
0.3
0.25
0.2
0.15
0.1
0.05
0

pull1D
Entries 81
Mean 3.205e−13
Std Dev 1.825e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_4eX_slope vs run
χ^2 / ndf 6.54e−24 / 80
p0 2029 ± 1.511
2045
2040
2035
2030
2025
2020
2015
pull
Entries 81
Mean 40.5
Std Dev 23.38
$\times 10^{-12}$
0
−0.05
−0.1
−0.15
−0.2
−0.25

pull1D
Entries 81
Mean −2.842e−13
Std Dev 5.868e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_11X12X_slope vs run
χ^2 / ndf 1.456e−23 / 80
p0 −286.6 ± 0.08938
−285.8
−286
−286.2
−286.4
−286.6
−286.8
−287
−287.2
−287.4
−287.6
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^−12
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
−0.35
−0.4
pull1D
Entries 81
Mean −4.24e−13
Std Dev 1.66e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atl2_4aY_slope vs run
χ² / ndf 5.038e−27 / 80
p0 4.732 ± 0.1251
pull
Entries 81
Mean 40.5
Std Dev 23.38

pull1D
Entries 81
Mean 7.886e−15
Std Dev 5.078e−22

dit_atl2_4eY_slope vs run
χ^2 / ndf 3.562e−26 / 80
p0 122.6 ± 0.1506
124
123.5
123
122.5
122
121.5
121
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^−15
0
−5
−10
−15
−20

pull1D
Entries 81
Mean −2.097e−14
Std Dev1.372e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_4aX_slope vs run
χ² / ndf 1.443e−25 / 80
p0 −150 ± 0.7482
−142
−144
−146
−148
−150
−152
−154
−156
−158
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹⁵
40
35
30
25
20
15
10
5
0

pull1D
Entries 81
Mean 4.221e−14
Std Dev 1.339e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_4eX_slope vs run
χ^2 / ndf 3.18e−27 / 80
p0 104.9 ± 0.756
112
110
108
106
104
102
100
98
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^−15
0
−1
−2
−3
−4
−5
−6

pull1D
Entries 81
Mean −6.265e−15
Std Dev 1.059e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_11X12X_slope vs run
χ^2 / ndf 3.36e−26 / 80
p0 −19.84 ± 0.05815
−19.4
−19.6
−19.8
−20
−20.2
−20.4
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^−15
20
18
16
14
12
10
8
6
4
2
0

pull1D
Entries 81
Mean 2.037e−14
Std Dev 5.187e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_4aY_slope vs run
χ^2 / ndf 0 / 80
p0 15.06 ± 0.05818
15.6
15.4
15.2
15
14.8
14.6
pull
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 81
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr1_4eY_slope vs run
χ^2 / ndf 1.627e−25 / 80
p0 −25.34 ± 0.08809
pull
Entries 81
Mean 40.5
Std Dev 23.38

pull1D
Entries 81
Mean 4.481e−14
Std Dev 2.809e−21

dit_atr2_4aX_slope vs run
χ^2 / ndf 0 / 80
p0 −1833 ± 1.331
−1820
−1825
−1830
−1835
−1840
−1845
pull
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 81
Mean 0
Std Dev 0
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_4eX_slope vs run
χ^2 / ndf 2.737e−24 / 80
p0 2091 ± 1.374
2105
2100
2095
2090
2085
2080
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^-12
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16
−0.18

pull1D
Entries 81
Mean −1.838e−13
Std Dev 9.583e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_11X12X_slope vs run
χ^2 / ndf 1.139e−24 / 80
p0 −258.4 ± 0.1065
−257.5
−258
−258.5
−259
−259.5
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^−12
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12

pull1D
Entries 81
Mean −1.186e−13
Std Dev5.082e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_atr2_4aY_slope vs run
χ^2 / ndf 2.227e−27 / 80
p0 2.935 ± 0.0941
pull
Entries 81
Mean 40.5
Std Dev 23.38

pull1D
Entries 81
Mean 5.244e−15
Std Dev 2.9e−22

dit_atr2_4eY_slope vs run
χ^2 / ndf 1.067e−25 / 80
p0 106.2 ± 0.087
107
106.8
106.6
106.4
106.2
106
105.8
105.6
105.4
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^-15
35
30
25
20
15
10
5
0

pull1D
Entries 81
Mean 3.63e−14
Std Dev 4.235e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_4aX_slope vs run

dit_sam1_4eX_slope vs run

dit_sam1_11X12X_slope vs run

dit_sam1_4aY_slope vs run
χ² / ndf 7.368e−24 / 80
p0 −50.53 ± 0.005235
−50.48
−50.5
−50.52
−50.54
−50.56
−50.58
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0
−0.05
−0.1
−0.15
−0.2
−0.25
−0.3
pull1D
Entries 81
Mean −3.016e−13
Std Dev 2.273e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam1_4eY_slope vs run
χ^2 / ndf 2.592e−27 / 80
p0 4.536 ± 0.01745
4.7
4.65
4.6
4.55
4.5
4.45
4.4
4.35
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^−15
0
−1
−2
−3
−4
−5

pull1D
Entries 81
Mean −5.657e−15
Std Dev 3.743e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_4aX_slope vs run
χ² / ndf 3.157e−26 / 80
p0 51.82 ± 0.5998
pull
Entries 81
Mean 40.5
Std Dev 23.38

pull1D
Entries 81
Mean −1.974e−14
Std Dev7.635e−22

dit_sam2_4eX_slope vs run
χ^2 / ndf 2.158e−25 / 80
p0 −215.3 ± 0.6118
−210
−212
−214
−216
−218
−220
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^−15
50
40
30
20
10
0

pull1D
Entries 81
Mean 5.162e−14
Std Dev 2.241e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam2_11X12X_slope vs run

dit_sam2_4aY_slope vs run

dit_sam2_4eY_slope vs run

dit_sam3_4aX_slope vs run
χ^2 / ndf 2.474e−27 / 80
p0 −12.71 ± 0.6072
−8
−10
−12
−14
−16
−18
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^−15
0
−1
−2
−3
−4
−5

pull1D
Entries 81
Mean −5.526e−15
Std Dev 3.89e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_4eX_slope vs run

dit_sam3_11X12X_slope vs run
χ^2 / ndf 1.143e−26 / 80
p0 0.4943 ± 0.005193
0.54
0.52
0.5
0.48
0.46
0.44
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^−15
0
−2
−4
−6
−8
−10
−12

pull1D
Entries 81
Mean −1.188e−14
Std Dev 5.399e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_4aY_slope vs run
χ^2 / ndf 3.842e−24 / 80
p0 −6.94 ± 0.006344
−6.88
−6.9
−6.92
−6.94
−6.96
−6.98
−7
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^−12
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

pull1D
Entries 81
Mean 2.178e−13
Std Dev 9.583e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam3_4eY_slope vs run
χ^2 / ndf 2.276e−24 / 80
p0 28.87 ± 0.02119
29.05
29
28.95
28.9
28.85
28.8
28.75
28.7
28.65
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^−12
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16

pull1D
Entries 81
Mean −1.676e−13
Std Dev8.299e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_4aX_slope vs run
χ^2 / ndf 3.982e−27 / 80
p0 57.84 ± 0.7882
pull
Entries 81
Mean 40.5
Std Dev 23.38

pull1D
Entries 81
Mean 7.011e−15
Std Dev 1.981e−22

dit_sam4_4eX_slope vs run

dit_sam4_11X12X_slope vs run

dit_sam4_4aY_slope vs run
χ^2 / ndf 4.963e−27 / 80
p0 −13.2 ± 0.02522
−13
−13.1
−13.2
−13.3
−13.4
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^−15
0
−1
−2
−3
−4
−5
−6
−7
−8

pull1D
Entries 81
Mean −7.827e−15
Std Dev 4.852e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam4_4eY_slope vs run
χ^2 / ndf 5.133e−23 / 80
p0 225.9 ± 0.08727
226.8
226.6
226.4
226.2
226
225.8
225.6
225.4
225.2
225
pull
Entries 81
Mean 40.5
Std Dev 23.38
$\times 10^{-12}$
0
−0.1
−0.2
−0.3
−0.4
−0.5
−0.6
−0.7
−0.8

pull1D
Entries 81
Mean −7.961e−13
Std Dev 3.32e−20
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_4aX_slope vs run
χ^2 / ndf 1.065e−25 / 80
p0 15.33 ± 0.08165
16.2
16
15.8
15.6
15.4
15.2
15
14.8
14.6
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^−15
0
−5
−10
−15
−20
−25
−30
−35

pull1D
Entries 81
Mean −3.626e−14
Std Dev 1.694e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_4eX_slope vs run
χ^2 / ndf 5.571e−25 / 80
p0 −16.07 ± 0.08568
−15.2
−15.4
−15.6
−15.8
−16
−16.2
−16.4
−16.6
−16.8
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^−15
80
70
60
50
40
30
20
10
0

pull1D
Entries 81
Mean 8.293e−14
Std Dev 5.357e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_11X12X_slope vs run

dit_sam5_4aY_slope vs run
χ^2 / ndf 2.135e−24 / 80
p0 31.39 ± 0.01702
31.55
31.5
31.45
31.4
31.35
31.3
31.25
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^−12
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
−0.16

pull1D
Entries 81
Mean −1.624e−13
Std Dev5.357e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam5_4eY_slope vs run
χ^2 / ndf 1.781e−24 / 80
p0 118.4 ± 0.04259
118.8
118.7
118.6
118.5
118.4
118.3
118.2
118.1
118
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^-12
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0

pull1D
Entries 81
Mean 1.483e−13
Std Dev 9.432e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_4aX_slope vs run

dit_sam6_4eX_slope vs run

dit_sam6_11X12X_slope vs run
χ^2 / ndf 6.213e−26 / 80
p0 0.683 ± 0.003563
0.72
0.71
0.7
0.69
0.68
0.67
0.66
0.65
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^−15
25
20
15
10
5
0

pull1D
Entries 81
Mean 2.769e−14
Std Dev 9.932e−22
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_4aY_slope vs run
χ^2 / ndf 3.167e−25 / 80
p0 13.22 ± 0.02525
13.4
13.3
13.2
13.1
13
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^-15
60
50
40
30
20
10
0

pull1D
Entries 81
Mean 6.253e−14
Std Dev 2.679e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam6_4eY_slope vs run

dit_sam7_4aX_slope vs run
χ^2 / ndf 6.713e−25 / 80
p0 92.6 ± 0.2081
94.5
94
93.5
93
92.5
92
91.5
91
90.5
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^−15
0
−20
−40
−60
−80

pull1D
Entries 81
Mean −9.104e−14
Std Dev 2.396e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_4eX_slope vs run

dit_sam7_11X12X_slope vs run

dit_sam7_4aY_slope vs run
χ^2 / ndf 9.975e−26 / 80
p0 7.309 ± 0.005624
7.36
7.34
7.32
7.3
7.28
7.26
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^-15
35
30
25
20
15
10
5
0

pull1D
Entries 81
Mean 3.509e−14
Std Dev 1.585e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

dit_sam7_4eY_slope vs run
χ² / ndf 1.337e−24 / 80
p0 −12.86 ± 0.009217
−12.78
−12.8
−12.82
−12.84
−12.86
−12.88
−12.9
−12.92
−12.94
−12.96
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0.12
0.1
0.08
0.06
0.04
0.02
0
pull1D
Entries 81
Mean 1.285e−13
Std Dev 5.357e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
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6
8

dit_sam8_4aX_slope vs run
χ^2 / ndf 1.266e−25 / 80
p0 67.2 ± 0.1597
68.5
68
67.5
67
66.5
66
65.5
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^-15
40
35
30
25
20
15
10
5
0

pull1D
Entries 81
Mean 3.954e−14
Std Dev 1.797e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
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6
8

dit_sam8_4eX_slope vs run
χ^2 / ndf 2.695e−25 / 80
p0 −101.9 ± 0.1642
−100.5
−101
−101.5
−102
−102.5
−103
−103.5
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10^−15
0
−10
−20
−30
−40
−50
−60

pull1D
Entries 81
Mean −5.768e−14
Std Dev 1.467e−21
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
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8

dit_sam8_11X12X_slope vs run

dit_sam8_4aY_slope vs run
χ^2 / ndf 7.027e−22 / 80
p0 −47.73 ± 0.004557
−47.69
−47.7
−47.71
−47.72
−47.73
−47.74
−47.75
−47.76
−47.77
pull
Entries 81
Mean 40.5
Std Dev 23.38
$\times 10^{-12}$
0
−0.5
−1
−1.5
−2
−2.5
−3

pull1D
Entries 81
Mean −2.945e−12
Std Dev1.626e−19
80
70
60
50
40
30
20
10
0
−8
−6
−4
−2
0
2
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8

dit_sam8_4eY_slope vs run
χ² / ndf 1.126e−24 / 80
p0 54.02 ± 0.01339
54.15
54.1
54.05
54
53.95
53.9
pull
Entries 81
Mean 40.5
Std Dev 23.38
×10⁻¹²
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12

pull1D
Entries 81
Mean −1.179e−13
Std Dev 2.934e−21
80
70
60
50
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−8
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pull
Entries 0
Mean 0
Std Dev 0
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pull1D
Entries 0
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pull1D
Entries 0
Mean 0
Std Dev 0
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pull
Entries 0
Mean 0
Std Dev 0
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pull1D
Entries 0
Mean 0
Std Dev 0
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pull
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Mean 0
Std Dev 0
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pull1D
Entries 0
Mean 0
Std Dev 0
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pull
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Mean 0
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pull1D
Entries 0
Mean 0
Std Dev 0
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pull
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pull1D
Entries 0
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pull
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pull1D
Entries 0
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pull
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pull1D
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pull
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pull1D
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pull
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pull1D
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pull1D
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pull
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pull1D
Entries 0
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pull
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pull1D
Entries 0
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pull
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pull1D
Entries 0
Mean 0
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pull
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pull1D
Entries 0
Mean 0
Std Dev 0
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pull
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Mean 0
Std Dev 0
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pull1D
Entries 0
Mean 0
Std Dev 0
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pull
Entries 0
Mean 0
Std Dev 0
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pull1D
Entries 0
Mean 0
Std Dev 0
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pull
Entries 0
Mean 0
Std Dev 0
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pull1D
Entries 0
Mean 0
Std Dev 0
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pull
Entries 0
Mean 0
Std Dev 0
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pull1D
Entries 0
Mean 0
Std Dev 0
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0.6
0.4
0.2
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−4
−2
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2
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6
8

dit_run_mean vs run
χ^2 / ndf 515.2 / 78
p0 7188 ± 0.2891
7192
7190
7188
7186
7184

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

dit_run_rms vs run

dit_slug_slope vs run
χ^2 / ndf 0 / 80
p0 170 ± 0.1111
171
170.8
170.6
170.4
170.2
170

pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

dit_cyclenum_mean vs run
χ^2 / ndf 1.26e+04 / 78
p0 8308 ± 1.43
8330
8320
8310
8300
8290

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

dit_cyclenum_rms vs run
χ² / ndf 1.26e+04 / 78
p0 8308 ± 1.43
8330
8320
8310
8300
8290

dit_scandata1_mean vs run
χ^2 / ndf 0 / 78
p0 0 ± 0.1125
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

dit_scandata1_rms vs run

dit_scandata2_mean vs run
χ^2 / ndf 0 / 78
p0 0 ± 0.1125
1
0.8
0.6
0.4
0.2
0

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

dit_scandata2_rms vs run

dit_flag_mean vs run
χ^2 / ndf 0 / 78
p0 1 ± 0.1125
2
1.8
1.6
1.4
1.2
1

pull1D
Entries 79
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

dit_flag_rms vs run

dit_segment_slope vs run
χ^2 / ndf 9.984e−31 / 80
p0 1 ± 1.241e−17
2
1.8
1.6
1.4
1.2
1

pull1D
Entries 81
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam1_diff_bpm1X_slope vs run
χ^2 / ndf 22.29 / 80
p0 −6.111 ± 0.3526
pull
Entries 81
Mean 229.7
Std Dev 187.2

pull1D
Entries 81
Mean 0.01973
Std Dev 0.5242

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 14.63 / 80
p0 −51.52 ± 0.2644
pull
Entries 81
Mean −138.1
Std Dev 182.7

pull1D
Entries 81
Mean 0.01908
Std Dev 0.4246

reg_asym_sam1_diff_bpm4eX_slope vs run
χ^2 / ndf 21.49 / 80
p0 −8.181 ± 0.3532
pull
Entries 81
Mean 212.3
Std Dev 169.7

pull1D
Entries 81
Mean −0.02058
Std Dev 0.5146

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 14.83 / 80
p0 7.336 ± 0.2867
pull
Entries 81
Mean −298.8
Std Dev 342.3

pull1D
Entries 81
Mean −0.01426
Std Dev 0.4276

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 23.65 / 80
p0 0.3484 ± 0.01286
pull
Entries 81
Mean −352.9
Std Dev 388.6

pull1D
Entries 81
Mean 0.01702
Std Dev 0.54

reg_asym_sam2_diff_bpm1X_slope vs run
χ^2 / ndf 5.095 / 80
p0 −41.18 ± 1.875
pull
Entries 81
Mean 19.01
Std Dev 2.967

pull1D
Entries 81
Mean 0.01073
Std Dev 0.2506

reg_asym_sam2_diff_bpm4aY_slope vs run
χ^2 / ndf 4.808 / 80
p0 −23.62 ± 1.395
pull
Entries 81
Mean 308.2
Std Dev 264.4

pull1D
Entries 81
Mean −0.01186
Std Dev 0.2433

reg_asym_sam2_diff_bpm4eX_slope vs run
χ^2 / ndf 6.023 / 80
p0 −120.1± 1.878
pull
Entries 81
Mean −11.8
Std Dev 51.97

pull1D
Entries 81
Mean −0.01135
Std Dev 0.2725

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 7.847 / 80
p0 −138.8 ± 1.516
−120
−130
−140
−150
−160
−170
pull
Entries 81
Mean 2358
Std Dev 2315
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

pull1D
Entries 81
Mean 0.002271
Std Dev 0.3112
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam2_diff_bpm12X_slope vs run
χ^2 / ndf 11.81 / 80
p0 0.7292 ± 0.0685
pull
Entries 81
Mean −676.1
Std Dev 713.3
pull1D
Entries 81
Mean 0.009944
Std Dev 0.3817

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 126.8 / 80
p0 −28.74 ± 0.6491
pull
Entries 81
Mean 198.5
Std Dev 154.8

pull1D
Entries 81
Mean 0.08589
Std Dev 1.248

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 39.34 / 80
p0 −3.048 ± 0.4816
pull
Entries 81
Mean 836.5
Std Dev 794.9
pull1D
Entries 81
Mean −0.01028
Std Dev 0.6968

reg_asym_sam3_diff_bpm4eX_slope vs run
χ^2 / ndf 108.2 / 80
p0 −44.66 ± 0.65
pull
Entries 81
Mean 179.5
Std Dev 136.4
pull1D
Entries 81
Mean −0.08833
Std Dev 1.153

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 36.76 / 80
p0 24.27 ± 0.5235
pull
Entries 81
Mean 480.6
Std Dev 439.1

pull1D
Entries 81
Mean 0.01893
Std Dev 0.6734

reg_asym_sam3_diff_bpm12X_slope vs run
χ^2 / ndf 6.351 / 80
p0 0.3151± 0.02376
pull
Entries 81
Mean −1184
Std Dev 1218

pull1D
Entries 81
Mean −0.003175
Std Dev 0.28

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 249 / 80
p0 −46.16 ± 1.741
pull
Entries 81
Mean 281.4
Std Dev 238.7

pull1D
Entries 81
Mean 0.1954
Std Dev 1.477

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 57.4 / 80
p0 21.26 ± 1.296
pull
Entries 81
Mean 6344
Std Dev 6303

pull1D
Entries 81
Mean −0.0014
Std Dev 0.8418

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 228.8 / 80
p0 −103.3 ± 1.744
pull
Entries 81
Mean 270.6
Std Dev 228.3

pull1D
Entries 81
Mean −0.1934
Std Dev 1.413

reg_asym_sam4_diff_bpm4eY_slope vs run
χ^2 / ndf 42.06 / 80
p0 179.8 ± 1.408
pull
Entries 81
Mean 437.9
Std Dev 397.6

pull1D
Entries 81
Mean 0.01823
Std Dev 0.7204

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 22.74 / 80
p0 0.3666 ± 0.06355
pull
Entries 81
Mean −1089
Std Dev 1125

pull1D
Entries 81
Mean −0.008819
Std Dev 0.5298

reg_asym_sam5_diff_bpm1X_slope vs run
χ^2 / ndf 73.13 / 80
p0 −0.2457 ± 0.9297
pull
Entries 81
Mean 442.8
Std Dev 400.6

pull1D
Entries 81
Mean 0.03107
Std Dev 0.9497

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 14.57 / 80
p0 49.83 ± 0.6947
pull
Entries 81
Mean 702.1
Std Dev 663.4

pull1D
Entries 81
Mean −0.003854
Std Dev 0.4241

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 72.63 / 80
p0 0.6841 ± 0.9312
pull
Entries 81
Mean 419.8
Std Dev 377.7
pull1D
Entries 81
Mean −0.03276
Std Dev 0.9464

reg_asym_sam5_diff_bpm4eY_slope vs run
χ^2 / ndf 10.03 / 80
p0 92.39 ± 0.7544
105
100
95
90
85
80
75
pull
Entries 81
Mean 84.87
Std Dev 57.28
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

pull1D
Entries 81
Mean 0.01324
Std Dev 0.3517
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_sam5_diff_bpm12X_slope vs run
χ^2 / ndf 26.15 / 80
p0 0.2532 ± 0.03384
pull
Entries 81
Mean −379.9
Std Dev 416.3

pull1D
Entries 81
Mean −0.02672
Std Dev 0.5675

reg_asym_sam6_diff_bpm1X_slope vs run
χ^2 / ndf 4.081 / 80
p0 24.26 ± 1.155
pull
Entries 81
Mean 322.4
Std Dev 277.2

pull1D
Entries 81
Mean 0.006253
Std Dev 0.2244

reg_asym_sam6_diff_bpm4aY_slope vs run
χ^2 / ndf 4.803 / 80
p0 36.16 ± 0.8614
pull
Entries 81
Mean 192.9
Std Dev 145.2

pull1D
Entries 81
Mean 0.0142
Std Dev 0.2431

reg_asym_sam6_diff_bpm4eX_slope vs run
χ^2 / ndf 4.122 / 80
p0 59.36 ± 1.156
pull
Entries 81
Mean 237.2
Std Dev 192.9

pull1D
Entries 81
Mean −0.005473
Std Dev 0.2255

reg_asym_sam6_diff_bpm4eY_slope vs run
χ^2 / ndf 5.53 / 80
p0 86.34 ± 0.9354
pull
Entries 81
Mean 476.7
Std Dev 432.3

pull1D
Entries 81
Mean −0.007702
Std Dev 0.2612

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 18.87 / 80
p0 0.1995 ± 0.04216
pull
Entries 81
Mean −575.2
Std Dev 611.9

pull1D
Entries 81
Mean −0.01506
Std Dev 0.4825

reg_asym_sam7_diff_bpm1X_slope vs run
χ^2 / ndf 216.5 / 80
p0 14.39 ± 0.2944
pull
Entries 81
Mean 185.8
Std Dev 141.8

pull1D
Entries 81
Mean 0.226
Std Dev 1.339

reg_asym_sam7_diff_bpm4aY_slope vs run
χ^2 / ndf 68.71 / 80
p0 8.721 ± 0.2187
pull
Entries 81
Mean 4610
Std Dev 4569

pull1D
Entries 81
Mean −0.003008
Std Dev 0.921

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 201.7 / 80
p0 −45.76 ± 0.2948
pull
Entries 81
Mean 169
Std Dev 125.2

pull1D
Entries 81
Mean −0.1246
Std Dev 1.573

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 77.77 / 80
p0 −15.51 ± 0.2377
pull
Entries 81
Mean 1017
Std Dev 976.8

pull1D
Entries 81
Mean 0.01589
Std Dev 0.9798

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 10.86 / 80
p0 0.4838 ± 0.01077
pull
Entries 81
Mean −1036
Std Dev 1063

pull1D
Entries 81
Mean −0.002134
Std Dev 0.3661

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 799.7 / 80
p0 5.8 ± 0.271
pull
Entries 81
Mean 203.9
Std Dev 160.7

pull1D
Entries 81
Mean 0.4278
Std Dev 2.557

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 237.8 / 80
p0 −37.43 ± 0.2017
pull
Entries 81
Mean −407.1
Std Dev 448.4
pull1D
Entries 81
Mean 0.04183
Std Dev 1.713

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 762.7 / 80
p0 −34.98 ± 0.2714
pull
Entries 81
Mean 196.7
Std Dev 153.6

pull1D
Entries 81
Mean −0.4305
Std Dev 2.49

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 196.9 / 80
p0 41.66 ± 0.2191
pull
Entries 81
Mean 4113
Std Dev 4072

pull1D
Entries 81
Mean 0.004448
Std Dev 1.559

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 36.63 / 80
p0 0.4058 ± 0.00992
pull
Entries 81
Mean −1607
Std Dev 1643

pull1D
Entries 81
Mean −0.006123
Std Dev 0.6725

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 48.02 / 80
p0 −72.19 ± 1.733
pull
Entries 81
Mean −272.9
Std Dev 315
pull1D
Entries 81
Mean 0.009893
Std Dev 0.7699

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 22.03 / 80
p0 5.683 ± 1.294
pull
Entries 81
Mean 53.86
Std Dev 33.77
pull1D
Entries 81
Mean 0.0141
Std Dev 0.5213

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 49.58 / 80
p0 13.85 ± 1.736
pull
Entries 81
Mean −363.8
Std Dev 406.8

pull1D
Entries 81
Mean −0.007919
Std Dev 0.7823

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 21.01 / 80
p0 11.16 ± 1.404
pull
Entries 81
Mean 102.9
Std Dev 73.03

pull1D
Entries 81
Mean −0.01219
Std Dev 0.5091

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 65.46 / 80
p0 −38.42 ± 0.06352
pull
Entries 81
Mean 410.3
Std Dev 367.2

pull1D
Entries 81
Mean −0.01814
Std Dev 0.8988

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 98.82 / 80
p0 −67.13 ± 1.778
pull
Entries 81
Mean 176.8
Std Dev 132.4
pull1D
Entries 81
Mean −0.07297
Std Dev 1.102

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 57.14 / 80
p0 4.387 ± 1.326
pull
Entries 81
Mean 638.5
Std Dev 598

pull1D
Entries 81
Mean 0.00894
Std Dev 0.8399

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 101.6 / 80
p0 124.5 ± 1.78
pull
Entries 81
Mean 171.4
Std Dev 127.2

pull1D
Entries 81
Mean 0.07664
Std Dev 1.118

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 57.17 / 80
p0 9.85 ± 1.44
pull
Entries 81
Mean 493.9
Std Dev 453.9

pull1D
Entries 81
Mean −0.0136
Std Dev 0.84

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 35.51 / 80
p0 −38.43 ± 0.06513
pull
Entries 81
Mean −6943
Std Dev 6979

pull1D
Entries 81
Mean 0.000877
Std Dev 0.6621

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 387.5 / 80
p0 0.2965 ± 0.2238
pull
Entries 81
Mean 306.6
Std Dev 264.2

pull1D
Entries 81
Mean −0.1011
Std Dev 1.934

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 136.5 / 80
p0 −0.1618 ± 0.1677
pull
Entries 81
Mean −240.1
Std Dev 275.9

pull1D
Entries 81
Mean −0.01269
Std Dev 1.298

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 351.8 / 80
p0 −0.3176 ± 0.2242
pull
Entries 81
Mean 233.4
Std Dev 193

pull1D
Entries 81
Mean 0.09377
Std Dev 1.801

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 161.3 / 80
p0 0.1697 ± 0.1818
pull
Entries 81
Mean −701.1
Std Dev 739.3

pull1D
Entries 81
Mean 0.005962
Std Dev 1.411

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 217.5 / 80
p0 0.01742 ± 0.008193
pull
Entries 81
Mean −507.8
Std Dev 508.1

pull1D
Entries 81
Mean 0.0009898
Std Dev 1.639

reg_asym_dsr_diff_bpm1X_slope vs run

reg_asym_dsr_diff_bpm4aY_slope vs run

reg_asym_dsr_diff_bpm4eX_slope vs run
χ^2 / ndf 111.7 / 80
p0 −0.04385 ± 0.1401
pull
Entries 81
Mean 84.45
Std Dev 82.29
pull1D
Entries 81
Mean 0.007833
Std Dev 1.174

reg_asym_dsr_diff_bpm4eY_slope vs run

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 69.71 / 80
p0 0.0009638 ± 0.005119
pull
Entries 81
Mean −138.7
Std Dev 186.7

pull1D
Entries 81
Mean −0.009898
Std Dev 0.9277

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 60.22 / 80
p0 −69.59 ± 1.48
pull
Entries 81
Mean 231.4
Std Dev 187.4

pull1D
Entries 81
Mean −0.04077
Std Dev 0.8613

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ2 / ndf 26.05 / 80
p0 5.019 ± 1.103
pull
Entries 81
Mean 270.5
Std Dev 231.1

pull1D
Entries 81
Mean 0.0144
Std Dev 0.5669

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 61.94 / 80
p0 69.1 ± 1.482
pull
Entries 81
Mean 219.4
Std Dev 175.4

pull1D
Entries 81
Mean 0.04413
Std Dev 0.8734

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 24.91 / 80
p0 10.52 ± 1.198
pull
Entries 81
Mean 297.5
Std Dev 258.7

pull1D
Entries 81
Mean −0.01611
Std Dev 0.5543

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 47.41 / 80
p0 −38.42 ± 0.05425
pull
Entries 81
Mean 729.3
Std Dev 689.2
pull1D
Entries 81
Mean −0.01101
Std Dev 0.765

reg_asym_us_dd_diff_bpm1X_slope vs run
χ^2 / ndf 107.6 / 80
p0 −2.475 ± 0.9445
pull
Entries 81
Mean 127.5
Std Dev 82.06

pull1D
Entries 81
Mean 0.07347
Std Dev 1.15

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 74.87 / 80
p0 0.6758 ± 0.706
pull
Entries 81
Mean −1714
Std Dev 1756

pull1D
Entries 81
Mean 0.002744
Std Dev 0.9614

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 110.9 / 80
p0 −55.38 ± 0.9459
pull
Entries 81
Mean 124.9
Std Dev 80.17
pull1D
Entries 81
Mean −0.07555
Std Dev 1.167

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 75.91 / 80
p0 0.625 ± 0.766
pull
Entries 81
Mean 1490
Std Dev 1448
pull1D
Entries 81
Mean 0.003487
Std Dev 0.9681

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 56.19 / 80
p0 0.0007357 ± 0.03456
pull
Entries 81
Mean 90.29
Std Dev 80
pull1D
Entries 81
Mean −0.007829
Std Dev 0.8328

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 335.7 / 80
p0 0.1509 ± 0.1319
pull
Entries 81
Mean 470.5
Std Dev 425.2

pull1D
Entries 81
Mean 0.008279
Std Dev 2.036

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 131.9 / 80
p0 −0.1596 ± 0.09881
pull
Entries 81
Mean −1086
Std Dev 1118
pull1D
Entries 81
Mean −0.002177
Std Dev 1.276

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 304.5 / 80
p0 −0.1833 ± 0.1321
pull
Entries 81
Mean 271.6
Std Dev 229.2

pull1D
Entries 81
Mean −0.01713
Std Dev 1.939

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 146 / 80
p0 0.1843 ± 0.1071
pull
Entries 81
Mean 1.372e+04
Std Dev 1.368e+04

pull1D
Entries 81
Mean −0.0002328
Std Dev 1.343

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 190.1 / 80
p0 0.009406 ± 0.004828
pull
Entries 81
Mean −20.36
Std Dev 105.5

pull1D
Entries 81
Mean −0.006338
Std Dev 1.532

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 301.4 / 80
p0 0.1522 ± 0.1325
pull
Entries 81
Mean 253.3
Std Dev 214.5

pull1D
Entries 81
Mean −0.08837
Std Dev 1.701

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 114.3 / 80
p0 −0.01207 ± 0.0992
pull
Entries 81
Mean −212.4
Std Dev 251.4
pull1D
Entries 81
Mean −0.01351
Std Dev 1.188

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 274.9 / 80
p0 −0.1396 ± 0.1327
pull
Entries 81
Mean 217.1
Std Dev 179

pull1D
Entries 81
Mean 0.08338
Std Dev 1.58

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 135.3 / 80
p0 −0.005824 ± 0.1076
pull
Entries 81
Mean −706.4
Std Dev 746.3
pull1D
Entries 81
Mean 0.005491
Std Dev 1.292

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 166.7 / 80
p0 0.008733 ± 0.004847
pull
Entries 81
Mean −2402
Std Dev 2439

pull1D
Entries 81
Mean 0.0006247
Std Dev 1.435

reg_asym_left_avg_diff_bpm1X_slope vs run
χ^2 / ndf 53.83 / 80
p0 −35.95 ± 0.874
pull
Entries 81
Mean −173.7
Std Dev 215.9

pull1D
Entries 81
Mean 0.01222
Std Dev 0.8151

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 22.79 / 80
p0 2.744 ± 0.6523
pull
Entries 81
Mean 83.49
Std Dev 55.65
pull1D
Entries 81
Mean 0.01394
Std Dev 0.5303

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 54.8 / 80
p0 6.776 ± 0.8753
pull
Entries 81
Mean −179.2
Std Dev 222.8

pull1D
Entries 81
Mean −0.01185
Std Dev 0.8225

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 22.63 / 80
p0 5.68 ± 0.708
pull
Entries 81
Mean 140.7
Std Dev 107.9

pull1D
Entries 81
Mean −0.0126
Std Dev 0.5284

reg_asym_left_avg_diff_bpm12X_slope vs run
χ^2 / ndf 62.59 / 80
p0 −19.2 ± 0.03203
pull
Entries 81
Mean 403
Std Dev 360.2

pull1D
Entries 81
Mean −0.01873
Std Dev 0.8788

reg_asym_left_dd_diff_bpm1X_slope vs run
χ^2 / ndf 53.71 / 80
p0 −36.23 ± 0.8741
pull
Entries 81
Mean −480.7
Std Dev 522.9

pull1D
Entries 81
Mean 0.006773
Std Dev 0.8143

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 25.23 / 80
p0 2.942 ± 0.6523
pull
Entries 81
Mean 24.38
Std Dev 30.68

pull1D
Entries 81
Mean 0.01379
Std Dev 0.5579

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 54.58 / 80
p0 7.066 ± 0.8753
pull
Entries 81
Mean −1094
Std Dev 1137

pull1D
Entries 81
Mean −0.003301
Std Dev 0.8208

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 24.14 / 80
p0 5.478 ± 0.708
pull
Entries 81
Mean 62.79
Std Dev 42.37

pull1D
Entries 81
Mean −0.01126
Std Dev 0.5458

reg_asym_left_dd_diff_bpm12X_slope vs run
χ^2 / ndf 73.37 / 80
p0 −19.22 ± 0.03203
pull
Entries 81
Mean 411.4
Std Dev 368
pull1D
Entries 81
Mean −0.01757
Std Dev 0.9516

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 97.3 / 80
p0 −33.57 ± 0.8914
pull
Entries 81
Mean 176.1
Std Dev 131.9
pull1D
Entries 81
Mean −0.07309
Std Dev 1.094

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 56.01 / 80
p0 2.116 ± 0.6647
pull
Entries 81
Mean 565.1
Std Dev 524.8

pull1D
Entries 81
Mean 0.01001
Std Dev 0.8315

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 100.7 / 80
p0 62.23 ± 0.8926
pull
Entries 81
Mean 171
Std Dev 127

pull1D
Entries 81
Mean 0.07691
Std Dev 1.112

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 56.05 / 80
p0 5.022 ± 0.7218
pull
Entries 81
Mean 471.1
Std Dev 431.2

pull1D
Entries 81
Mean −0.01412
Std Dev 0.8317

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 35.73 / 80
p0 −19.21 ± 0.03265
pull
Entries 81
Mean 1.427e+05
Std Dev 1.427e+05
pull1D
Entries 81
Mean −4.186e−05
Std Dev 0.6642

reg_asym_right_dd_diff_bpm1X_slope vs run
χ^2 / ndf 100.6 / 80
p0 −33.56 ± 0.8921
pull
Entries 81
Mean 177.8
Std Dev 133.2
pull1D
Entries 81
Mean −0.07226
Std Dev 1.112

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 58.64 / 80
p0 2.27 ± 0.6653
pull
Entries 81
Mean 732.9
Std Dev 692.3

pull1D
Entries 81
Mean 0.00781
Std Dev 0.8508

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 102.7 / 80
p0 62.27 ± 0.8933
pull
Entries 81
Mean 172.1
Std Dev 127.7

pull1D
Entries 81
Mean 0.07575
Std Dev 1.124

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 58.63 / 80
p0 4.828 ± 0.7224
pull
Entries 81
Mean 518.8
Std Dev 478.7

pull1D
Entries 81
Mean −0.013
Std Dev 0.8507

reg_asym_right_dd_diff_bpm12X_slope vs run
χ^2 / ndf 35.71 / 80
p0 −19.22 ± 0.03268
pull
Entries 81
Mean −3554
Std Dev 3591

pull1D
Entries 81
Mean 0.001736
Std Dev 0.664

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ^2 / ndf 206.4 / 80
p0 −3.128 ± 0.3142
pull
Entries 81
Mean 474
Std Dev 431.9

pull1D
Entries 81
Mean 0.04716
Std Dev 1.596

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 44.22 / 80
p0 −0.8855 ± 0.2342
pull
Entries 81
Mean −338.6
Std Dev 378.9

pull1D
Entries 81
Mean 0.01469
Std Dev 0.7387

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 22.84 / 80
p0 49.89 ± 0.2545
pull
Entries 81
Mean 813.4
Std Dev 774.7

pull1D
Entries 81
Mean 0.004551
Std Dev 0.531

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ^2 / ndf 36.42 / 80
p0 0.3 ± 0.01144
pull
Entries 81
Mean −456.3
Std Dev 493

pull1D
Entries 81
Mean −0.02607
Std Dev 0.67

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ^2 / ndf 31.38 / 80
p0 −2.893 ± 0.629
pull
Entries 81
Mean 426.4
Std Dev 384.1

pull1D
Entries 81
Mean −0.02132
Std Dev 0.622

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.915 / 80
p0 −50.69 ± 0.4705
pull
Entries 81
Mean 129.3
Std Dev 95.65

pull1D
Entries 81
Mean 0.01081
Std Dev 0.292

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 31.32 / 80
p0 −4.471 ± 0.6301
pull
Entries 81
Mean 411.4
Std Dev 369.4

pull1D
Entries 81
Mean 0.02219
Std Dev 0.6214

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 7.432 / 80
p0 −42.51 ± 0.5108
pull
Entries 81
Mean −17.18
Std Dev 67.89

pull1D
Entries 81
Mean −0.01566
Std Dev 0.3025

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 23.25 / 80
p0 0.04722 ± 0.0229
pull
Entries 81
Mean −360.6
Std Dev 396.9
pull1D
Entries 81
Mean 0.02532
Std Dev 0.5352

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ^2 / ndf 154.4 / 80
p0 −7.195 ± 0.4627
pull
Entries 81
Mean 190
Std Dev 146.2

pull1D
Entries 81
Mean 0.1007
Std Dev 1.377

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 136 / 80
p0 −45.2 ± 0.4633
pull
Entries 81
Mean 172.7
Std Dev 129.3
pull1D
Entries 81
Mean −0.1034
Std Dev 1.292

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 48.4 / 80
p0 4.366 ± 0.3733
pull
Entries 81
Mean 585.2
Std Dev 544.1

pull1D
Entries 81
Mean 0.0198
Std Dev 0.7727

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 5.788 / 80
p0 0.3994 ± 0.01694
pull
Entries 81
Mean −1154
Std Dev 1187

pull1D
Entries 81
Mean −0.002896
Std Dev 0.2673

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ^2 / ndf 77.44 / 80
p0 −21.55 ± 0.1998
pull
Entries 81
Mean 244.5
Std Dev 201.5

pull1D
Entries 81
Mean 0.04566
Std Dev 0.9767

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 23.45 / 80
p0 −5.896 ± 0.1482
pull
Entries 81
Mean 338.5
Std Dev 293.7

pull1D
Entries 81
Mean −0.01066
Std Dev 0.5379

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 61.45 / 80
p0 0.5349 ± 0.2001
pull
Entries 81
Mean 215.8
Std Dev 174

pull1D
Entries 81
Mean −0.04752
Std Dev 0.8697

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.33 / 80
p0 19.9 ± 0.1612
pull
Entries 81
Mean 177
Std Dev 130.5

pull1D
Entries 81
Mean 0.0154
Std Dev 0.4883

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 14.18 / 80
p0 −0.08406 ± 0.007306
pull
Entries 81
Mean −808.3
Std Dev 844.9

pull1D
Entries 81
Mean −0.005409
Std Dev 0.4183

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ^2 / ndf 25.06 / 80
p0 −8.501 ± 0.3847
pull
Entries 81
Mean 90.39
Std Dev 38.65

pull1D
Entries 81
Mean 0.04108
Std Dev 0.5547

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 37.45 / 80
p0 −30.25 ± 0.3852
pull
Entries 81
Mean 42.82
Std Dev 20.97

pull1D
Entries 81
Mean −0.05049
Std Dev 0.6781

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 24.05 / 80
p0 −26.17 ± 0.3102
pull
Entries 81
Mean −479.8
Std Dev 521.8

pull1D
Entries 81
Mean −0.01492
Std Dev 0.5446

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ^2 / ndf 5.832 / 80
p0 0.4643 ± 0.01407
pull
Entries 81
Mean −2030
Std Dev 2069

pull1D
Entries 81
Mean 0.001676
Std Dev 0.2683

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ^2 / ndf 3.494 / 80
p0 −32.71 ± 1.509
pull
Entries 81
Mean −173.4
Std Dev 216.1

pull1D
Entries 81
Mean 0.003816
Std Dev 0.2077

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.418 / 80
p0 −29.89 ± 1.124
pull
Entries 81
Mean 256.2
Std Dev 211.2
pull1D
Entries 81
Mean −0.01299
Std Dev 0.2332

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 3.38 / 80
p0 −89.74 ± 1.511
pull
Entries 81
Mean −160.4
Std Dev 203.2

pull1D
Entries 81
Mean −0.003872
Std Dev 0.2042

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 6.087 / 80
p0 −112.6 ± 1.221
pull
Entries 81
Mean 961
Std Dev 917.5

pull1D
Entries 81
Mean 0.004951
Std Dev 0.2741

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 14.26 / 80
p0 0.2648 ± 0.05511
pull
Entries 81
Mean −624.7
Std Dev 661.7

pull1D
Entries 81
Mean 0.01199
Std Dev 0.4194

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 327.5 / 80
p0 −20.15 ± 0.9682
pull
Entries 81
Mean 263.1
Std Dev 220.4
pull1D
Entries 81
Mean 0.2335
Std Dev 1.681

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 78.36 / 80
p0 −8.105 ± 0.7203
pull
Entries 81
Mean −1668
Std Dev 1709
pull1D
Entries 81
Mean 0.006171
Std Dev 0.9835

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 58.19 / 80
p0 110.7 ± 0.7826
pull
Entries 81
Mean 613.8
Std Dev 573.2

pull1D
Entries 81
Mean 0.01577
Std Dev 0.8474

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 25.32 / 80
p0 0.3853 ± 0.03537
pull
Entries 81
Mean −1353
Std Dev 1389
pull1D
Entries 81
Mean −0.007454
Std Dev 0.559

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 162.5 / 80
p0 −26.05 ± 0.7837
pull
Entries 81
Mean 307
Std Dev 264.6

pull1D
Entries 81
Mean 0.06534
Std Dev 1.415

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 36.16 / 80
p0 29.36 ± 0.5843
pull
Entries 81
Mean 650.2
Std Dev 608.9

pull1D
Entries 81
Mean −0.01079
Std Dev 0.668

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 26.61 / 80
p0 69.05 ± 0.6346
pull
Entries 81
Mean 274
Std Dev 234.1

pull1D
Entries 81
Mean 0.02111
Std Dev 0.5727

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ^2 / ndf 19.71 / 80
p0 −0.01863 ± 0.02859
pull
Entries 81
Mean −834.8
Std Dev 870.9

pull1D
Entries 81
Mean −0.01062
Std Dev 0.4932

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ^2 / ndf 17.72 / 80
p0 −12.19 ± 0.3094
pull
Entries 81
Mean 443.6
Std Dev 401.6

pull1D
Entries 81
Mean −0.01332
Std Dev 0.4676

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 4.18 / 80
p0 −28.3 ± 0.2311
pull
Entries 81
Mean 30
Std Dev 50.32

pull1D
Entries 81
Mean 0.00893
Std Dev 0.227

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 21.13 / 80
p0 −2.014 ± 0.3099
pull
Entries 81
Mean 390.2
Std Dev 347.7
pull1D
Entries 81
Mean 0.01629
Std Dev 0.5105

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 5.702 / 80
p0 −11.3 ± 0.251
pull
Entries 81
Mean −99.86
Std Dev 148.5

pull1D
Entries 81
Mean −0.01171
Std Dev 0.2651

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ^2 / ndf 21.01 / 80
p0 −0.01722 ± 0.01128
pull
Entries 81
Mean −446.1
Std Dev 482.4

pull1D
Entries 81
Mean 0.01825
Std Dev 0.509

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ^2 / ndf 10.02 / 80
p0 1.862 ± 0.2556
pull
Entries 81
Mean 90.93
Std Dev 32.08

pull1D
Entries 81
Mean −0.02035
Std Dev 0.351

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.059 / 80
p0 −1.825 ± 0.1899
pull
Entries 81
Mean 1163
Std Dev 1122

pull1D
Entries 81
Mean 0.005038
Std Dev 0.3154

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 13.4 / 80
p0 20.87 ± 0.256
pull
Entries 81
Mean 35.56
Std Dev 26.52

pull1D
Entries 81
Mean 0.02032
Std Dev 0.4062

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.77 / 80
p0 22.72 ± 0.2065
pull
Entries 81
Mean 2041
Std Dev 1999

pull1D
Entries 81
Mean −0.003777
Std Dev 0.4413

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 6.622 / 80
p0 −0.05091 ± 0.009334
pull
Entries 81
Mean −675.3
Std Dev 714.9

pull1D
Entries 81
Mean −0.006715
Std Dev 0.2858

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 41.93 / 80
p0 −29.65 ± 0.8358
pull
Entries 81
Mean 178.1
Std Dev 135
pull1D
Entries 81
Mean 0.05442
Std Dev 0.7174

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.15 / 80
p0 −0.1441± 0.6216
pull
Entries 81
Mean 243.1
Std Dev 199.7

pull1D
Entries 81
Mean −0.02782
Std Dev 0.4457

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 37.79 / 80
p0 −61.65 ± 0.8369
pull
Entries 81
Mean 175
Std Dev 132.2
pull1D
Entries 81
Mean −0.05426
Std Dev 0.6809

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 14.73 / 80
p0 −21.89 ± 0.6754
pull
Entries 81
Mean 293.6
Std Dev 251.1

pull1D
Entries 81
Mean 0.02538
Std Dev 0.4257

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 4.002 / 80
p0 0.1266 ± 0.0306
pull
Entries 81
Mean 1.064e+04
Std Dev 1.06e+04
pull1D
Entries 81
Mean −0.0002789
Std Dev 0.2223

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 347 / 80
p0 5.608 ± 0.4291
pull
Entries 81
Mean 403.4
Std Dev 361.2

pull1D
Entries 81
Mean −0.194
Std Dev 1.774

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 81.15 / 80
p0 7.227 ± 0.3194
pull
Entries 81
Mean −523.2
Std Dev 564.3
pull1D
Entries 81
Mean −0.01748
Std Dev 1.001

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 334.7 / 80
p0 19.64 ± 0.4298
pull
Entries 81
Mean 399.2
Std Dev 357.1

pull1D
Entries 81
Mean 0.1933
Std Dev 1.742

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 59.29 / 80
p0 −68.5 ± 0.3472
pull
Entries 81
Mean 436.8
Std Dev 397.3

pull1D
Entries 81
Mean −0.01681
Std Dev 0.8554

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 38.24 / 80
p0 0.03551 ± 0.01564
pull
Entries 81
Mean −531.5
Std Dev 567.8
pull1D
Entries 81
Mean 0.02303
Std Dev 0.6867

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 325 / 80
p0 −11.6 ± 0.6086
pull
Entries 81
Mean 301.6
Std Dev 259.1

pull1D
Entries 81
Mean 0.2166
Std Dev 1.685

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 75.75 / 80
p0 −4.512 ± 0.453
pull
Entries 81
Mean −856.5
Std Dev 897.6

pull1D
Entries 81
Mean 0.01095
Std Dev 0.967

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 305.3 / 80
p0 −36.51 ± 0.6096
pull
Entries 81
Mean 287.3
Std Dev 245

pull1D
Entries 81
Mean −0.217
Std Dev 1.629

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 52.13 / 80
p0 80.34 ± 0.4923
pull
Entries 81
Mean 755.9
Std Dev 715.6

pull1D
Entries 81
Mean 0.01132
Std Dev 0.8022

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ^2 / ndf 30.71 / 80
p0 0.3423 ± 0.02221
pull
Entries 81
Mean −938.4
Std Dev 974.6
pull1D
Entries 81
Mean −0.01189
Std Dev 0.6156

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 290.6 / 80
p0 −13.76 ± 0.6832
pull
Entries 81
Mean 228.3
Std Dev 185.3
pull1D
Entries 81
Mean 0.2396
Std Dev 1.56

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 74.3 / 80
p0 −2.614 ± 0.5079
pull
Entries 81
Mean 1.517e+04
Std Dev 1.513e+04

pull1D
Entries 81
Mean −0.0007206
Std Dev 0.9577

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 263.6 / 80
p0 −57.09 ± 0.6842
pull
Entries 81
Mean 217.1
Std Dev 174.3
pull1D
Entries 81
Mean −0.2368
Std Dev 1.484

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 59.61 / 80
p0 57.54 ± 0.5519
pull
Entries 81
Mean 559.4
Std Dev 518.7

pull1D
Entries 81
Mean 0.0194
Std Dev 0.8577

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ^2 / ndf 18.19 / 80
p0 0.3913 ± 0.02498
pull
Entries 81
Mean −2169
Std Dev 2205

pull1D
Entries 81
Mean −0.003865
Std Dev 0.4738

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ^2 / ndf 199.4 / 80
p0 −5.945 ± 0.2167
pull
Entries 81
Mean 194.2
Std Dev 150.6

pull1D
Entries 81
Mean 0.2133
Std Dev 1.261

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 49.78 / 80
p0 2.709 ± 0.1609
pull
Entries 81
Mean 5142
Std Dev 5101

pull1D
Entries 81
Mean −0.001583
Std Dev 0.7839

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 191.4 / 80
p0 −16.9 ± 0.217
pull
Entries 81
Mean 167.4
Std Dev 124.2

pull1D
Entries 81
Mean −0.1166
Std Dev 1.533

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 44.44 / 80
p0 11.83 ± 0.1749
pull
Entries 81
Mean −4.408e+04
Std Dev 4.412e+04

pull1D
Entries 81
Mean −0.0002154
Std Dev 0.7407

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 15.8 / 80
p0 0.3802 ± 0.007929
pull
Entries 81
Mean −1382
Std Dev 1418
pull1D
Entries 81
Mean −0.004493
Std Dev 0.4416

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 79.26 / 80
p0 −7.846 ± 0.4126
pull
Entries 81
Mean 165.3
Std Dev 120.7
pull1D
Entries 81
Mean 0.07547
Std Dev 0.9863

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 25.9 / 80
p0 4.552 ± 0.306
pull
Entries 81
Mean 1055
Std Dev 1014

pull1D
Entries 81
Mean −0.007643
Std Dev 0.5655

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 74.96 / 80
p0 −37.73 ± 0.4131
pull
Entries 81
Mean 136.3
Std Dev 92.22
pull1D
Entries 81
Mean −0.08072
Std Dev 0.9586

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 31.97 / 80
p0 −10.92 ± 0.3327
pull
Entries 81
Mean 1632
Std Dev 1590

pull1D
Entries 81
Mean 0.006076
Std Dev 0.6282

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 2.781 / 80
p0 0.4324 ± 0.0151
pull
Entries 81
Mean −70.83
Std Dev 52.59

pull1D
Entries 81
Mean −0.002743
Std Dev 0.1853

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 72.77 / 80
p0 3.592 ± 0.2856
pull
Entries 81
Mean 5364
Std Dev 5323

pull1D
Entries 81
Mean 0.002064
Std Dev 0.9478

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 261.9 / 80
p0 32.66 ± 0.3848
pull
Entries 81
Mean 215.5
Std Dev 172.7

pull1D
Entries 81
Mean 0.2371
Std Dev 1.487

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 61.14 / 80
p0 −30.4 ± 0.3104
pull
Entries 81
Mean 477.3
Std Dev 436.4

pull1D
Entries 81
Mean −0.02275
Std Dev 0.8685

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 15.45 / 80
p0 −0.04387 ± 0.01405
pull
Entries 81
Mean −2292
Std Dev 2328

pull1D
Entries 81
Mean 0.003302
Std Dev 0.4368

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 67.21 / 80
p0 5.486 ± 0.2453
pull
Entries 81
Mean −415.7
Std Dev 456.9

pull1D
Entries 81
Mean −0.01831
Std Dev 0.9107

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 312.5 / 80
p0 12.09 ± 0.3299
pull
Entries 81
Mean 402
Std Dev 360

pull1D
Entries 81
Mean 0.1843
Std Dev 1.685

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 43.39 / 80
p0 −53.19 ± 0.2666
pull
Entries 81
Mean 610.2
Std Dev 570.5

pull1D
Entries 81
Mean −0.009927
Std Dev 0.7318

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 36.28 / 80
p0 0.003998 ± 0.012
pull
Entries 81
Mean −516.4
Std Dev 553.1

pull1D
Entries 81
Mean 0.02282
Std Dev 0.6689

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 46.02 / 80
p0 2.62 ± 0.2766
pull
Entries 81
Mean 820.7
Std Dev 779.4

pull1D
Entries 81
Mean 0.01315
Std Dev 0.7536

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 10.12 / 80
p0 −3.55 ± 0.2055
pull
Entries 81
Mean 21.02
Std Dev 3.259

pull1D
Entries 81
Mean 0.005511
Std Dev 0.3534

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 11.85 / 80
p0 38.01 ± 0.2235
pull
Entries 81
Mean −135.4
Std Dev 179

pull1D
Entries 81
Mean 0.01933
Std Dev 0.3819

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 19.41 / 80
p0 −0.08085 ± 0.01008
pull
Entries 81
Mean −375.5
Std Dev 412.6

pull1D
Entries 81
Mean −0.02315
Std Dev 0.489

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 421.8 / 80
p0 0.7421 ± 0.104
pull
Entries 81
Mean 364.2
Std Dev 321.7

pull1D
Entries 81
Mean 0.2263
Std Dev 1.953

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 136 / 80
p0 −1.737 ± 0.07739
pull
Entries 81
Mean −1254
Std Dev 1295

pull1D
Entries 81
Mean 0.01099
Std Dev 1.296

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 394.9 / 80
p0 −7.544 ± 0.1042
pull
Entries 81
Mean 376.7
Std Dev 334.3
pull1D
Entries 81
Mean −0.2186
Std Dev 1.897

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 135.6 / 80
p0 15.31 ± 0.08413
pull
Entries 81
Mean 269.2
Std Dev 229.8
pull1D
Entries 81
Mean 0.04208
Std Dev 1.293

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 53.21 / 80
p0 −0.03164 ± 0.003794
pull
Entries 81
Mean −637.5
Std Dev 672.7

pull1D
Entries 81
Mean −0.02085
Std Dev 0.8102

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 287.6 / 80
p0 −5.222 ± 0.3027
pull
Entries 81
Mean 236.2
Std Dev 193.1

pull1D
Entries 81
Mean 0.2344
Std Dev 1.547

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 75.12 / 80
p0 0.9788 ± 0.2251
pull
Entries 81
Mean −1.217e+04
Std Dev 1.221e+04

pull1D
Entries 81
Mean 0.0008724
Std Dev 0.963

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 263.6 / 80
p0 −24.43 ± 0.3032
pull
Entries 81
Mean 219.1
Std Dev 176.3
pull1D
Entries 81
Mean −0.2334
Std Dev 1.48

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 57.33 / 80
p0 27.14 ± 0.2446
pull
Entries 81
Mean 720.1
Std Dev 679.5

pull1D
Entries 81
Mean 0.01487
Std Dev 0.8412

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 22.42 / 80
p0 0.3474 ± 0.01107
pull
Entries 81
Mean −2019
Std Dev 2055

pull1D
Entries 81
Mean −0.004609
Std Dev 0.5261

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ^2 / ndf 254.7 / 80
p0 −14.48 ± 0.598
pull
Entries 81
Mean 213.4
Std Dev 170.2

pull1D
Entries 81
Mean 0.232
Std Dev 1.451

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 62.73 / 80
p0 −0.883 ± 0.4444
pull
Entries 81
Mean 5291
Std Dev 5250

pull1D
Entries 81
Mean −0.001902
Std Dev 0.88

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 231.5 / 80
p0 −49.57 ± 0.5989
pull
Entries 81
Mean 199.7
Std Dev 156.8

pull1D
Entries 81
Mean −0.2303
Std Dev 1.382

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 50.57 / 80
p0 42.22 ± 0.4829
pull
Entries 81
Mean 686.2
Std Dev 645.2

pull1D
Entries 81
Mean 0.01522
Std Dev 0.79

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ^2 / ndf 14.34 / 80
p0 0.424 ± 0.02188
pull
Entries 81
Mean −1962
Std Dev 1998

pull1D
Entries 81
Mean −0.00363
Std Dev 0.4207

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 41.7 / 80
p0 −7.542 ± 0.1238
pull
Entries 81
Mean 685.3
Std Dev 643.9

pull1D
Entries 81
Mean −0.01424
Std Dev 0.7174

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 8.644 / 80
p0 −0.03842 ± 0.005613
pull
Entries 81
Mean −1271
Std Dev 1307

pull1D
Entries 81
Mean 0.003667
Std Dev 0.3267

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 267.4 / 80
p0 −9.852 ± 0.4485
pull
Entries 81
Mean 220.4
Std Dev 177.3
pull1D
Entries 81
Mean 0.2342
Std Dev 1.487

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 243.7 / 80
p0 −37 ± 0.4491
pull
Entries 81
Mean 205.7
Std Dev 162.8

pull1D
Entries 81
Mean −0.2327
Std Dev 1.419

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 53.15 / 80
p0 34.68 ± 0.3622
pull
Entries 81
Mean 695.5
Std Dev 654.6

pull1D
Entries 81
Mean 0.01521
Std Dev 0.8099

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 16.85 / 80
p0 0.3857 ± 0.0164
pull
Entries 81
Mean −2070
Std Dev 2105

pull1D
Entries 81
Mean −0.003816
Std Dev 0.4561

reg_asym_atl1_diff_bpm1X_slope vs run
χ^2 / ndf 115.1 / 80
p0 −19.46 ± 2.482
pull
Entries 81
Mean 364.5
Std Dev 317.5

pull1D
Entries 81
Mean −0.02568
Std Dev 1.192

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 77.57 / 80
p0 13.62 ± 1.858
pull
Entries 81
Mean 159.5
Std Dev 108.8
pull1D
Entries 81
Mean 0.02902
Std Dev 0.9781

reg_asym_atl1_diff_bpm4eX_slope vs run
χ^2 / ndf 117.6 / 80
p0 55.5 ± 2.486
pull
Entries 81
Mean 360.4
Std Dev 313.5

pull1D
Entries 81
Mean 0.02547
Std Dev 1.205

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 77.57 / 80
p0 −26.56 ± 2.015
pull
Entries 81
Mean 177.9
Std Dev 128.7

pull1D
Entries 81
Mean −0.03236
Std Dev 0.9781

reg_asym_atl1_diff_bpm12X_slope vs run
χ^2 / ndf 90.39 / 80
p0 −16.01 ± 0.0908
pull
Entries 81
Mean 218
Std Dev 143.8

pull1D
Entries 81
Mean −0.0127
Std Dev 1.056

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 25.93 / 80
p0 −511.2 ± 9.733
−300
−400
−500
−600
−700
−800
pull
Entries 81
Mean 170.3
Std Dev 124.7
2
1.5
1
0.5
0
−0.5
−1

pull1D
Entries 81
Mean −0.03646
Std Dev 0.5646
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl2_diff_bpm4aY_slope vs run
χ^2 / ndf 10.44 / 80
p0 4.626 ± 7.249
pull
Entries 81
Mean 351
Std Dev 307.1

pull1D
Entries 81
Mean 0.01272
Std Dev 0.3588

reg_asym_atl2_diff_bpm4eX_slope vs run
χ^2 / ndf 25.87 / 80
p0 443.3 ± 9.745
pull
Entries 81
Mean 166.2
Std Dev 120.7

pull1D
Entries 81
Mean 0.03888
Std Dev 0.5639

reg_asym_atl2_diff_bpm4eY_slope vs run
χ^2 / ndf 10.94 / 80
p0 142 ± 7.873
pull
Entries 81
Mean 309.6
Std Dev 264.4

pull1D
Entries 81
Mean −0.01437
Std Dev 0.3671

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 15.38 / 80
p0 −287.9 ± 0.3569
pull
Entries 81
Mean −236.3
Std Dev 288.5

pull1D
Entries 81
Mean −0.005172
Std Dev 0.4357

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 74.25 / 80
p0 −59.63 ± 2.943
pull
Entries 81
Mean 667.9
Std Dev 682.4

pull1D
Entries 81
Mean −0.0007777
Std Dev 0.9574

reg_asym_atr1_diff_bpm4aY_slope vs run
χ^2 / ndf 72.59 / 80
p0 17.01 ± 2.202
pull
Entries 81
Mean 1124
Std Dev 1192

pull1D
Entries 81
Mean −7.916e−05
Std Dev 0.9467

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 72.63 / 80
p0 1.774 ± 2.947
pull
Entries 81
Mean 242.2
Std Dev 245.3
pull1D
Entries 81
Mean 0.003092
Std Dev 0.9469

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 72.52 / 80
p0 −31.19 ± 2.388
pull
Entries 81
Mean −178.8
Std Dev 233.5
pull1D
Entries 81
Mean 0.003368
Std Dev 0.9462

reg_asym_atr1_diff_bpm12X_slope vs run
χ^2 / ndf 92.65 / 80
p0 −19.81 ± 0.1077
pull
Entries 81
Mean −108.8
Std Dev 160.4
pull1D
Entries 81
Mean 0.01806
Std Dev 1.069

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 48.21 / 80
p0 −446.2 ± 8.934
pull
Entries 81
Mean 161.5
Std Dev 115.9

pull1D
Entries 81
Mean −0.06214
Std Dev 0.769

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 21.86 / 80
p0 4.953 ± 6.65
150
100
50
0
−50
−100
−150
−200
pull
Entries 81
Mean 799.2
Std Dev 756.4
1
0.5
0
−0.5
−1
−1.5

pull1D
Entries 81
Mean 0.00711
Std Dev 0.5195
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 48.61 / 80
p0 546.2 ± 8.946
pull
Entries 81
Mean 158.1
Std Dev 112.5

pull1D
Entries 81
Mean 0.06468
Std Dev 0.772

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 22.45 / 80
p0 126.4 ± 7.225
pull
Entries 81
Mean 479.9
Std Dev 437.3

pull1D
Entries 81
Mean −0.01275
Std Dev 0.5264

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 14.35 / 80
p0 −259.8 ± 0.3274
pull
Entries 81
Mean −174.7
Std Dev 222.7

pull1D
Entries 81
Mean −0.00434
Std Dev 0.4209

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ^2 / ndf 34.28 / 80
p0 −265.4 ± 5.258
pull
Entries 81
Mean 203.1
Std Dev 157.2

pull1D
Entries 81
Mean −0.03916
Std Dev 0.6493

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 16.99 / 80
p0 9.009 ± 3.916
pull
Entries 81
Mean 259.7
Std Dev 214.5

pull1D
Entries 81
Mean 0.02035
Std Dev 0.4575

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ2 / ndf 34.41 / 80
p0 249.5 ± 5.265
pull
Entries 81
Mean 197.6
Std Dev 151.8

pull1D
Entries 81
Mean 0.04118
Std Dev 0.6504

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 17.63 / 80
p0 57.84 ± 4.254
150
100
50
0
−50
pull
Entries 81
Mean 246.6
Std Dev 200.4
1.5
1
0.5
0
−0.5

pull1D
Entries 81
Mean −0.0224
Std Dev 0.466
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 22.59 / 80
p0 −152 ± 0.1928
−148
−150
−152
−154
−156
pull
Entries 81
Mean −34.95
Std Dev 73.47
1.5
1
0.5
0
−0.5
−1
−1.5

pull1D
Entries 81
Mean −0.01006
Std Dev 0.528
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 27.7 / 80
p0 245.8 ± 4.777
pull
Entries 81
Mean 126.9
Std Dev 82.31

pull1D
Entries 81
Mean 0.03037
Std Dev 0.584

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.73 / 80
p0 4.372 ± 3.56
pull
Entries 81
Mean 930.6
Std Dev 888.7

pull1D
Entries 81
Mean −0.003519
Std Dev 0.3806

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 27.74 / 80
p0 −193.9 ± 4.783
pull
Entries 81
Mean 126
Std Dev 81.35
pull1D
Entries 81
Mean −0.0331
Std Dev 0.5842

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 11.95 / 80
p0 −84.19 ± 3.866
pull
Entries 81
Mean 633.8
Std Dev 590.2

pull1D
Entries 81
Mean 0.004711
Std Dev 0.384

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ^2 / ndf 16.83 / 80
p0 136 ± 0.1751
139
138
137
136
135
134
133
132
pull
Entries 81
Mean −3041
Std Dev 3099
1
0.5
0
−0.5
−1
pull1D
Entries 81
Mean 0.0006789
Std Dev 0.4558
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ^2 / ndf 46.52 / 80
p0 −252.9 ± 4.944
pull
Entries 81
Mean 162.3
Std Dev 118.1
pull1D
Entries 81
Mean −0.05661
Std Dev 0.7557

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 25.05 / 80
p0 10.95 ± 3.682
pull
Entries 81
Mean 743.6
Std Dev 700.2

pull1D
Entries 81
Mean 0.006912
Std Dev 0.556

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 47.74 / 80
p0 273.9 ± 4.951
pull
Entries 81
Mean 157.6
Std Dev 113.5

pull1D
Entries 81
Mean 0.05986
Std Dev 0.7654

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 25.54 / 80
p0 47.65 ± 4
150
100
50
0
−50
pull
Entries 81
Mean 515.7
Std Dev 472.6
1.5
1
0.5
0
−0.5
−1

pull1D
Entries 81
Mean −0.01113
Std Dev 0.5614
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 26.43 / 80
p0 −139.8 ± 0.1812
−136
−138
−140
−142
−144
pull
Entries 81
Mean −258
Std Dev 241.2
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 81
Mean −0.0002178
Std Dev 0.5712
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 55.65 / 80
p0 193.4 ± 4.451
pull
Entries 81
Mean 164.3
Std Dev 117.4

pull1D
Entries 81
Mean 0.05977
Std Dev 0.8267

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 29.13 / 80
p0 5.982 ± 3.315
pull
Entries 81
Mean 895.8
Std Dev 853.6

pull1D
Entries 81
Mean −0.006352
Std Dev 0.5997

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 54.62 / 80
p0 −272.4 ± 4.457
pull
Entries 81
Mean 161.9
Std Dev 114.9

pull1D
Entries 81
Mean −0.06134
Std Dev 0.8188

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 29.61 / 80
p0 −78.74 ± 3.601
pull
Entries 81
Mean 453.6
Std Dev 411.6

pull1D
Entries 81
Mean 0.013
Std Dev 0.6045

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 16.86 / 80
p0 120 ± 0.163
123
122
121
120
119
118
117
pull
Entries 81
Mean −124.5
Std Dev 174.4
1
0.5
0
−0.5
−1

pull1D
Entries 81
Mean 0.01099
Std Dev 0.4561
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 93.84 / 80
p0 −39.49 ± 1.947
pull
Entries 81
Mean 347
Std Dev 304.1
pull1D
Entries 81
Mean −0.01859
Std Dev 1.076

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 62.61 / 80
p0 15.3 ± 1.457
pull
Entries 81
Mean 153.7
Std Dev 98.83

pull1D
Entries 81
Mean 0.01898
Std Dev 0.879

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ^2 / ndf 93.32 / 80
p0 28.58 ± 1.95
pull
Entries 81
Mean 323.4
Std Dev 281

pull1D
Entries 81
Mean 0.02012
Std Dev 1.073

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 66.39 / 80
p0 −28.86 ± 1.58
pull
Entries 81
Mean 221.7
Std Dev 171.5
pull1D
Entries 81
Mean −0.01878
Std Dev 0.9051

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 113 / 80
p0 −17.91 ± 0.07127
pull
Entries 81
Mean −1223
Std Dev 1283
pull1D
Entries 81
Mean 0.002726
Std Dev 1.181

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 88.69 / 80
p0 20.1 ± 1.902
pull
Entries 81
Mean 346.1
Std Dev 294.1

pull1D
Entries 81
Mean −0.01654
Std Dev 1.046

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 87.53 / 80
p0 −1.697 ± 1.424
pull
Entries 81
Mean 162.5
Std Dev 115.7

pull1D
Entries 81
Mean 0.01906
Std Dev 1.039

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 89.45 / 80
p0 26.85 ± 1.905
pull
Entries 81
Mean 370.2
Std Dev 317.7
pull1D
Entries 81
Mean 0.01468
Std Dev 1.051

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 83.42 / 80
p0 2.316 ± 1.544
pull
Entries 81
Mean 138.6
Std Dev 91.12

pull1D
Entries 81
Mean −0.02382
Std Dev 1.015

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ^2 / ndf 69.45 / 80
p0 1.902 ± 0.06956
pull
Entries 81
Mean 11.17
Std Dev 31.53

pull1D
Entries 81
Mean −0.02189
Std Dev 0.9257

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 33.38 / 80
p0 −478.6 ± 9.12
pull
Entries 81
Mean 163.6
Std Dev 118

pull1D
Entries 81
Mean −0.05053
Std Dev 0.6399

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.24 / 80
p0 4.93 ± 6.789
pull
Entries 81
Mean 544.2
Std Dev 501.1

pull1D
Entries 81
Mean 0.009493
Std Dev 0.4042

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 33.47 / 80
p0 494.7 ± 9.132
pull
Entries 81
Mean 160.5
Std Dev 114.9

pull1D
Entries 81
Mean 0.05295
Std Dev 0.6406

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ^2 / ndf 13.85 / 80
p0 134.1 ± 7.376
pull
Entries 81
Mean 400.1
Std Dev 356.4

pull1D
Entries 81
Mean −0.01345
Std Dev 0.4134

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 11.48 / 80
p0 −273.9 ± 0.3344
pull
Entries 81
Mean −264.8
Std Dev 315.9

pull1D
Entries 81
Mean −0.003955
Std Dev 0.3764

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 95.28 / 80
p0 32.36 ± 2.018
pull
Entries 81
Mean 151.4
Std Dev 105.2
pull1D
Entries 81
Mean −0.04506
Std Dev 1.084

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ^2 / ndf 64.55 / 80
p0 0.239 ± 1.511
pull
Entries 81
Mean −189.4
Std Dev 228
pull1D
Entries 81
Mean −0.0121
Std Dev 0.8926

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 97.36 / 80
p0 51.62 ± 2.022
pull
Entries 81
Mean 149.5
Std Dev 103.4

pull1D
Entries 81
Mean 0.04442
Std Dev 1.095

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ^2 / ndf 64.22 / 80
p0 −7.852 ± 1.638
pull
Entries 81
Mean −1054
Std Dev 1089

pull1D
Entries 81
Mean 0.003102
Std Dev 0.8904

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 83.2 / 80
p0 14.05 ± 0.07387
pull
Entries 81
Mean 2218
Std Dev 2163
pull1D
Entries 81
Mean −0.0007914
Std Dev 1.013

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 60.65 / 80
p0 −232.8 ± 4.887
−100
−150
−200
−250
−300
−350
pull
Entries 81
Mean 182.2
Std Dev 136.3
3
2
1
0
−1

pull1D
Entries 81
Mean −0.06333
Std Dev 0.863
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 26.47 / 80
p0 9.245 ± 3.638
100
50
0
−50
−100
pull
Entries 81
Mean 436.7
Std Dev 392.8
1
0.5
0
−0.5
−1
−1.5

pull1D
Entries 81
Mean 0.0147
Std Dev 0.5715
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 61.3 / 80
p0 300.8 ± 4.894
400
350
300
250
200
pull
Entries 81
Mean 178.2
Std Dev 132.3
1
0
−1
−2
−3

pull1D
Entries 81
Mean 0.06542
Std Dev 0.8674
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 27.58 / 80
p0 49.95 ± 3.953
pull
Entries 81
Mean 345.1
Std Dev 301.4

pull1D
Entries 81
Mean −0.02055
Std Dev 0.5832

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ^2 / ndf 19.84 / 80
p0 −137.9 ± 0.1791
pull
Entries 81
Mean 14.6
Std Dev 42
pull1D
Entries 81
Mean −0.01007
Std Dev 0.4949

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 43.1 / 80
p0 213.5 ± 4.372
pull
Entries 81
Mean 137.6
Std Dev 92.61

pull1D
Entries 81
Mean 0.05463
Std Dev 0.7274

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 25.26 / 80
p0 4.315 ± 3.257
pull
Entries 81
Mean −2969
Std Dev 3010

pull1D
Entries 81
Mean 0.0015
Std Dev 0.5584

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 43.45 / 80
p0 −245.4 ± 4.378
pull
Entries 81
Mean 135.2
Std Dev 90.18
pull1D
Entries 81
Mean −0.05751
Std Dev 0.7301

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 25.06 / 80
p0 −76.48 ± 3.538
pull
Entries 81
Mean 1310
Std Dev 1269

pull1D
Entries 81
Mean 0.003507
Std Dev 0.5562

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ^2 / ndf 19.84 / 80
p0 121.9 ± 0.1602
pull
Entries 81
Mean 2882
Std Dev 2824
pull1D
Entries 81
Mean −0.0005698
Std Dev 0.4949

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ^2 / ndf 27.53 / 80
p0 −285.4 ± 5.365
−200
−250
−300
−350
−400
pull
Entries 81
Mean 172.6
Std Dev 129
1.5
1
0.5
0
−0.5
−1

pull1D
Entries 81
Mean −0.03337
Std Dev 0.582
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 11.71 / 80
p0 10.83 ± 3.997
pull
Entries 81
Mean 351
Std Dev 306.4

pull1D
Entries 81
Mean 0.01153
Std Dev 0.38

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 27.82 / 80
p0 222.6 ± 5.372
pull
Entries 81
Mean 166.7
Std Dev 123.3
pull1D
Entries 81
Mean 0.03636
Std Dev 0.5849

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.37 / 80
p0 55.4 ± 4.341
pull
Entries 81
Mean 348.9
Std Dev 303.2

pull1D
Entries 81
Mean −0.0121
Std Dev 0.3906

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 23.24 / 80
p0 −153.9 ± 0.1967
pull
Entries 81
Mean −2456
Std Dev 2508
pull1D
Entries 81
Mean −0.0002272
Std Dev 0.5356

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ^2 / ndf 33.07 / 80
p0 225.9 ± 4.789
pull
Entries 81
Mean 171.9
Std Dev 124.4

pull1D
Entries 81
Mean 0.03556
Std Dev 0.638

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 20.85 / 80
p0 6.174 ± 3.569
pull
Entries 81
Mean 361.2
Std Dev 318

pull1D
Entries 81
Mean −0.01254
Std Dev 0.5072

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 32.35 / 80
p0 −220.9 ± 4.796
pull
Entries 81
Mean 169.1
Std Dev 121.5
pull1D
Entries 81
Mean −0.03724
Std Dev 0.6309

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.89 / 80
p0 −86.61 ± 3.876
pull
Entries 81
Mean 279.6
Std Dev 234.9

pull1D
Entries 81
Mean 0.0154
Std Dev 0.5076

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 20.44 / 80
p0 134 ± 0.1755
137
136
135
134
133
132
131
pull
Entries 81
Mean −148.8
Std Dev 200.7
1
0.5
0
−0.5
−1

pull1D
Entries 81
Mean 0.01212
Std Dev 0.5022
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 34.11 / 80
p0 219.6 ± 4.386
pull
Entries 81
Mean 149.2
Std Dev 102.9

pull1D
Entries 81
Mean 0.04794
Std Dev 0.6472

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.79 / 80
p0 5.139 ± 3.266
pull
Entries 81
Mean 985.5
Std Dev 943.4

pull1D
Entries 81
Mean −0.004748
Std Dev 0.4415

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 33.64 / 80
p0 −233.1 ± 4.392
pull
Entries 81
Mean 147.3
Std Dev 100.9

pull1D
Entries 81
Mean −0.05012
Std Dev 0.6425

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.25 / 80
p0 −81.45 ± 3.548
pull
Entries 81
Mean 506.4
Std Dev 463.9

pull1D
Entries 81
Mean 0.009158
Std Dev 0.4478

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 12.65 / 80
p0 128 ± 0.1608
pull
Entries 81
Mean −386.4
Std Dev 440.9

pull1D
Entries 81
Mean 0.004788
Std Dev 0.3951

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 57.29 / 80
p0 −0.7886 ± 1.078
pull
Entries 81
Mean 807.2
Std Dev 764.8

pull1D
Entries 81
Mean 0.004359
Std Dev 0.841

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 104.5 / 80
p0 39.28 ± 1.442
pull
Entries 81
Mean 209.8
Std Dev 160.7
pull1D
Entries 81
Mean 0.03922
Std Dev 1.135

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 57.03 / 80
p0 −2.713 ± 1.169
pull
Entries 81
Mean 320
Std Dev 280

pull1D
Entries 81
Mean −0.01353
Std Dev 0.839

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 55.87 / 80
p0 7.978 ± 0.0527
pull
Entries 81
Mean 93.6
Std Dev 38.37
pull1D
Entries 81
Mean −0.01432
Std Dev 0.8304

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 37.48 / 80
p0 −259.1 ± 4.925
pull
Entries 81
Mean 177.1
Std Dev 132

pull1D
Entries 81
Mean −0.05032
Std Dev 0.6784

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.15 / 80
p0 10.07 ± 3.666
pull
Entries 81
Mean 405.8
Std Dev 361.7

pull1D
Entries 81
Mean 0.0133
Std Dev 0.4323

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 37.98 / 80
p0 261.7 ± 4.931
pull
Entries 81
Mean 172.6
Std Dev 127.6

pull1D
Entries 81
Mean 0.05289
Std Dev 0.6827

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.12 / 80
p0 52.66 ± 3.983
pull
Entries 81
Mean 347.2
Std Dev 302.7

pull1D
Entries 81
Mean −0.01681
Std Dev 0.4458

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 18.64 / 80
p0 −145.9 ± 0.1806
−142
−144
−146
−148
−150
pull
Entries 81
Mean −56.94
Std Dev 92.22
1.5
1
0.5
0
−0.5
−1
−1.5

pull1D
Entries 81
Mean −0.00441
Std Dev 0.4797
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 80.33 / 80
p0 −12.3 ± 1.338
pull
Entries 81
Mean 45.88
Std Dev 41.11

pull1D
Entries 81
Mean −0.0243
Std Dev 0.9956

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 91.87 / 80
p0 5.13 ± 1.085
pull
Entries 81
Mean −5.589
Std Dev 18.43
pull1D
Entries 81
Mean −0.02126
Std Dev 1.065

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 101.6 / 80
p0 −6.076 ± 0.04887
pull
Entries 81
Mean −71.25
Std Dev 114.2

pull1D
Entries 81
Mean −0.01557
Std Dev 1.12

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ^2 / ndf 1395 / 80
p0 −20.72 ± 0.2006
pull
Entries 81
Mean 82.21
Std Dev 29.64

pull1D
Entries 81
Mean 0.1436
Std Dev 2.23

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 194.7 / 80
p0 0.757 ± 0.1497
pull
Entries 81
Mean −549.7
Std Dev 591.7
pull1D
Entries 81
Mean −0.01966
Std Dev 1.55

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 1363 / 80
p0 20.26 ± 0.2009
pull
Entries 81
Mean 81.1
Std Dev 27.62
pull1D
Entries 81
Mean −0.1398
Std Dev 2.213

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 199.6 / 80
p0 −1.09 ± 0.1623
pull
Entries 81
Mean −1239
Std Dev 1281

pull1D
Entries 81
Mean 0.008485
Std Dev 1.57

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 239.6 / 80
p0 0.2336 ± 0.007323
pull
Entries 81
Mean 149.3
Std Dev 106.8
pull1D
Entries 81
Mean 0.1563
Std Dev 1.713

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ^2 / ndf 1395 / 80
p0 −20.59 ± 0.1992
pull
Entries 81
Mean 82.22
Std Dev 29.61

pull1D
Entries 81
Mean 0.1445
Std Dev 2.228

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 196.4 / 80
p0 0.706 ± 0.1487
pull
Entries 81
Mean −549
Std Dev 591

pull1D
Entries 81
Mean −0.01962
Std Dev 1.557

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 1363 / 80
p0 20.12 ± 0.1995
pull
Entries 81
Mean 81.11
Std Dev 27.59

pull1D
Entries 81
Mean −0.1407
Std Dev 2.21

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 201.1 / 80
p0 −1.032 ± 0.1612
pull
Entries 81
Mean −1313
Std Dev 1356

pull1D
Entries 81
Mean 0.008002
Std Dev 1.576

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 241.4 / 80
p0 0.2318 ± 0.007272
pull
Entries 81
Mean 145.3
Std Dev 102.8

pull1D
Entries 81
Mean 0.1577
Std Dev 1.719

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ^2 / ndf 1402 / 80
p0 −20.7 ± 0.2
pull
Entries 81
Mean 82.48
Std Dev 29.91

pull1D
Entries 81
Mean 0.1449
Std Dev 2.235

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 192.3 / 80
p0 0.6659 ± 0.1494
pull
Entries 81
Mean −548.5
Std Dev 590.3

pull1D
Entries 81
Mean −0.01949
Std Dev 1.541

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ2 / ndf 1370 / 80
p0 20.19 ± 0.2003
pull
Entries 81
Mean 81.36
Std Dev 27.89
pull1D
Entries 81
Mean −0.1412
Std Dev 2.218

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 197.6 / 80
p0 −1.007 ± 0.1619
pull
Entries 81
Mean −1194
Std Dev 1236

pull1D
Entries 81
Mean 0.008626
Std Dev 1.562

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 240.5 / 80
p0 0.2318 ± 0.007303
pull
Entries 81
Mean 146.9
Std Dev 104.2
pull1D
Entries 81
Mean 0.1565
Std Dev 1.716

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 1379 / 80
p0 −21.15 ± 0.205
pull
Entries 81
Mean 83.27
Std Dev 30.46

pull1D
Entries 81
Mean 0.15
Std Dev 2.202

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 189 / 80
p0 0.7851 ± 0.153
pull
Entries 81
Mean −643.8
Std Dev 685.2

pull1D
Entries 81
Mean −0.01732
Std Dev 1.528

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 1346 / 80
p0 20.63 ± 0.2053
pull
Entries 81
Mean 82.07
Std Dev 28.37

pull1D
Entries 81
Mean −0.1462
Std Dev 2.181

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 192.8 / 80
p0 −1.149 ± 0.1659
pull
Entries 81
Mean −1522
Std Dev 1564

pull1D
Entries 81
Mean 0.007153
Std Dev 1.543

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 293 / 80
p0 0.2467 ± 0.007484
pull
Entries 81
Mean 163
Std Dev 117.5

pull1D
Entries 81
Mean 0.1449
Std Dev 1.896

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ^2 / ndf 1365 / 80
p0 −21.1 ± 0.2065
pull
Entries 81
Mean 82.61
Std Dev 29.97

pull1D
Entries 81
Mean 0.1524
Std Dev 2.199

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 194 / 80
p0 0.735 ± 0.1542
pull
Entries 81
Mean −781.7
Std Dev 822.8

pull1D
Entries 81
Mean −0.01462
Std Dev 1.547

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 1332 / 80
p0 20.63 ± 0.2068
pull
Entries 81
Mean 81.14
Std Dev 27.39
pull1D
Entries 81
Mean −0.1486
Std Dev 2.18

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 197.6 / 80
p0 −1.066 ± 0.1671
pull
Entries 81
Mean −1854
Std Dev 1896

pull1D
Entries 81
Mean 0.005947
Std Dev 1.562

reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 290.8 / 80
p0 0.2438 ± 0.007538
pull
Entries 81
Mean 175.7
Std Dev 131.8

pull1D
Entries 81
Mean 0.1428
Std Dev 1.889